



**Fort Bragg/Pope Air Force Base
Campus
Fayetteville State University
Fort Bragg, North Carolina**

CATALOGUE

1974-1976



FAYETTEVILLE STATE UNIVERSITY
is a constituent institution of the University of North Carolina

Fayetteville State University

FAYETTEVILLE, N. C. 28301

ESTABLISHED 1877

OFFICE OF
CHANCELLOR

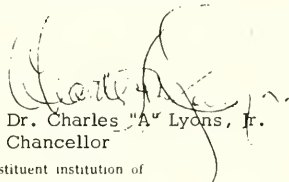
CHANCELLOR'S MESSAGE

The communities we serve are changing rapidly--culturally, socially, technologically, economically, and politically. Since our environment is changing so rapidly, it is only logical that education should change with it.

We believe that the role of higher education--and of Fayetteville State University, in particular--is to prepare people for productive lives in a rapidly changing society and at the same time help them attain a measure of personal growth and development to enable them to cope better with this changing world.

Believing in preparing military personnel as members who will be more capable of performing effectively where needed, and recognizing our role as that of preparing them to live in an environment of change, we at Fayetteville State University must continue to make changes in our educational programs as the needs for such changes become apparent for the military. These changes come about after free discussion, research, and thought and are in keeping with the University's stated mission of serving its clientele.

Our curricula have been strengthened with several challenging and exciting new programs. Other programs have been updated to keep pace with the needs of the students and the military. Fayetteville State University gears its curricula, faculty, student activities--our whole way of thinking--to the total student body; after all, students are our most precious resources and our hope for tomorrow.



Dr. Charles "A" Lyons, Jr.
Chancellor

Fayetteville State University is a constituent institution of
THE UNIVERSITY OF NORTH CAROLINA



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DEPARTMENT OF THE ARMY
HEADQUARTERS XVIII AIRBORNE CORPS AND FORT BRAGG
FORT BRAGG, NORTH CAROLINA. 28307

MESSAGE FROM THE COMMANDER

It has been said, "Learning has no age limit." I believe these words. The Army, by generous support of education for all its members throughout their careers, has demonstrated its belief in life-long learning. You might very appropriately ask, "What do these words mean to me and what does this catalogue have to do with it all?"

All members of this command, regardless of age, can profit by new educational experiences. Such experiences should enable you to be more effective in your job and increase your chances for promotion; they will thereby enable you to reach your full potential as a soldier and, of equal importance, to reach full maturity as an individual. Your accomplishments will, in turn, contribute to raising the professionalism and efficiency of the military services as a whole.

This catalogue provides a portion of the educational opportunities available to you on this Post. It is "Your" catalogue of undergraduate programs. Without leaving this Post, you can pursue 19 different two-year college degrees and 27 four-year degrees. These courses are offered by highly qualified instructors at times convenient to the active duty soldier and airman.

This is the first time a comprehensive undergraduate catalogue has been published solely for the benefit of the Fort Bragg and Pope Air Force Base community. Fayetteville State University is to be commended in making this presentation of the many educational opportunities available to you. I invite your attention to it. Read it and take advantage of the opportunities which interest you. You will never regret your decision to do so.

A large, stylized handwritten signature in black ink, reading "Richard J. Seitz".

RICHARD J. SEITZ
Lieutenant General, USA
Commanding

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 317TH TACTICAL AIRLIFT WING (TAC)
POPE AIR FORCE BASE, NORTH CAROLINA 28308



OFFICE OF THE COMMANDER

MESSAGE FROM THE COMMANDER,
317TH TACTICAL AIRLIFT WING

The members of Pope Air Force Base and their dependents are fortunate in having a campus of Fayetteville State University located close by to serve us with a wide variety of course offerings scheduled at times convenient to the airman on active duty. These courses are fully accredited. Since Fayetteville State University is a member of the Servicemen's Opportunity College, appropriate academic credit is awarded for military experiences as well as academic credit you have earned at other accredited institutions throughout the world.

The Air Force supports your desire to earn a college degree. In such a pursuit we know you will not only help yourself, but also contribute to increasing the effectiveness of the United States Air Force.

I encourage each and everyone of you to study this catalogue with a view of taking advantage of the many educational opportunities it offers.

The Base Education Services Officer will be happy to advise you on the best program to suit your interests. Once you start, you should make every effort to stay with the program until you have earned your degree.

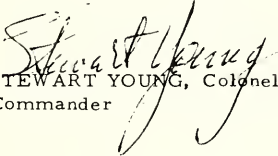

STEWART YOUNG, Colonel, USAF
Commander

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HISTORICAL SKETCH

Fayetteville State University

The University of North Carolina was chartered in 1789 and opened its doors to students in 1795. It became a multi-campus University by an act of the General Assembly in 1931 when the University of North Carolina at Chapel Hill, the North Carolina College for Women at Greensboro (now University of North Carolina at Greensboro) and the North Carolina State College of Agriculture and Engineering at Raleigh (now North Carolina State University at Raleigh) were merged.

On October 30, 1971, the General Assembly redefined the University of North Carolina to consist of 16 constituent universities, including Fayetteville State University. The merger became effective on July 1, 1972.

Fayetteville State University is the second oldest of the 16 constituent universities of the University of North Carolina. It was established by Senate Bill Number 472, which was ratified by the General Assembly on March 8, 1877. Its present name was given by the General Assembly in 1969.

Higher Education at Fort Bragg — Pope A.F.B.

Since the close of World War II, several colleges and universities have conducted extension courses at Fort Bragg and Pope A.F.B. Most of these extension courses were offered by North Carolina State University. The extension program did not fully meet the need of students desiring transfer credit and programs leading to degrees. In July, 1964, North Carolina State University and Fort Bragg agreed to establish a branch of North Carolina State University at Fort Bragg. The branch began operations in September, 1964. On July 1, 1973, the responsibility for the operation of all undergraduate courses was transferred from North Carolina State University to Fayetteville State University. Graduate programs are offered by North Carolina State University, East Carolina University, and the University of North Carolina at Charlotte, with Fayetteville State University providing coordination and administrative support.

PURPOSE, MISSION, OBJECTIVES

Purpose

The Fort Bragg — Pope Air Force Base Campus of Fayetteville State University considers that the central purpose of higher education is to provide an opportunity for students to become gainfully employed and to learn to live as responsible members of a free society.

In learning how to live, all aspects of living — the mental, the physical, and the spiritual — may be covered by the various academic disciplines. The aim of the University is to enable students to establish life styles which permit them to enjoy the rewards of living a full life consistent with the maximum use of their talents and the norms of our free society.

It is expected that students will be gainfully employed on leaving the University, thus becoming self-supporting citizens who contribute to our society. Although higher education does not include technical education, it does, by concentration on concepts, enable students to occupy professional positions within our society and to discharge effectively the duties related to such positions. This purpose implies that the administrators and teachers make every effort to insure that instruction is relevant to situations in the real world.

Further, the University aspires to enable students to become responsible citizens and to become more accountable to the people; thus, it holds the administrators and teachers accountable for providing the best possible instruction for students. In turn, the administrators and teachers are expected to hold students accountable for carrying out academic assignments; such a process serves as an illustration of one approach that gives students an appreciation of the meaning of responsibility. The goal is for students not only to become capable of discharging the responsibilities associated with positions in our society but also to possess a willingness to accept such responsibilities.

The University holds that all instruction should point towards living in a free society. The concepts of freedom are those which guided our fore-

fathers in founding our country, and these concepts have been constantly defended in war and peace. Students who enroll in the University programs have the opportunity to acquire a full appreciation of the meaning of all aspects of our freedom with a view of their becoming ever vigilant in its defense.

Mission

In keeping with the above central purpose of higher education, it is the mission of the Fort Bragg — Pope Air Force Base Campus of Fayetteville State University to provide higher educational opportunities for the members of this military community and for their dependents.

Objectives

Contributing to the accomplishment of the mission, the established objectives are as follows:

1. To provide undergraduate educational opportunities in accordance with the charter of the Servicemen's Opportunity College (SOC). For details concerning the SOC agreement, see page 11.
2. To provide undergraduate instruction permitting completion of two-year and four-year degree programs, affording the students a broad range of subjects to satisfy their interests.
3. To provide instruction at times and in the form which is precluded only by the servicemen's duty to their country.
4. To provide maximum flexibility in the transfer of credits, which takes into consideration the mobility inherent in service life.
5. To maintain the highest standards of academic excellence at all times.

PROGRAMS OF STUDY

Curriculum Advisory Committee

As agreed with Army and Air Force authorities, a Curriculum Advisory Committee has been established to monitor course offerings of the Fort Bragg — Pope Air Force Base Campus and make recommendations to the Vice Chancellor concerning academic programs offered by the Campus. The Committee consists of the following:

- The Associate to the Vice Chancellor, Chairman
- The Educational Services Officer, Pope A.F.B.
- The Director, Army Education Center, Fort Bragg
- The Admissions Officer
- Three members of the faculty

Pre-Discharge Education Program (PREP)

The Fort Bragg — Pope A.F.B. Campus of Fayetteville State University provides a Pre-Discharge Education Program (PREP) which is designed to prepare the serviceman/woman or veteran adequately for college study. It is supported by the Veterans Administration (VA) which provides all tuition costs and text books. Benefits allowed by VA for PREP are not deducted from Veterans' Assistance (GI Bill).

Servicemen/women who have more than 180 days of active duty and veterans who are already released from active duty are eligible to participate in this program. Eligible individuals must be high school graduates or possess a GED high school equivalency certificate.

The program is designed for those individuals whose placement scores indicate that academic difficulties may be expected in college. It consists of highly individualized instruction concentrating on the needs of each individual. Tutorial and counseling services are available together with testing and laboratory study facilities. Academic subjects emphasized are English grammar, reading and composition, and mathematics.

Associate of Arts Degree Program

In order to assist military personnel in achieving the minimum educational levels recommended by the various services of the Department of Defense, Fayetteville State University provides Associate of Arts Degree Programs.

There are two types of Associate of Arts Degrees available: the general education degree and a degree with concentration in a major discipline. The general degree consists of a minimum of 60 semester hours at the freshman and sophomore level and provides maximum flexibility for transfer to a baccalaureate program. The major discipline degree requires 62 to 68 semester hours, depending on the discipline. It is somewhat less flexible than the general education program in that the student course outline consists primarily of subjects from a specific area or concentration.

Majors or Concentrations Available

*Art	General Education
*Biology	*Geography
Business Administration	History and Social Studies
*Chemistry	Mathematics
*Computer Science	*Music
Education	Police Science
Economics	Political Science
English	Psychology
*Management	*Secretarial Science
*Modern Foreign Language	Sociology

**Some courses in these programs may have to be taken on main campus.*

Baccalaureate Degrees

Bachelor of Arts Degrees are offered in the following disciplines:

*Black Studies	Political Science -
English	Police Science
History	Psychology
Mathematics	Sociology
Political Science	

Bachelor of Science Degrees are offered in the following disciplines:

- *Biology
- Business Administration
- *Chemistry
- *Mathematics (CS) Computer Science

Bachelor of Science Degrees (Secondary Education) are offered in the following disciplines:

- *Biology
- Business Education
- *Chemistry
- English
- *French
- *Health, Physical Education and Recreation
- History and Political Science
- Mathematics
- Social Science

**Some courses in these programs may have to be taken on main campus.*

Cooperative programs between Fayetteville State University and North Carolina State University at Raleigh lead towards a Bachelor of Arts Degree in the following areas: Applied Mathematics, Conservation, Experimental Statistics, Natural Resource Recreation Management, Physics, Pulp and Paper Science and Technology, Recreation and Park Administration, Textile Chemistry, Textile Technology.

Graduate Programs

Under the auspices of the General Administration of the University of North Carolina, five graduate programs are offered to the Fort Bragg — Pope Air Force Base military community; civilians are permitted to enroll in these programs. Fayetteville State University (Fort Bragg — Pope A.F.B. Campus) is charged by the General Administration with providing administrative support for these programs.

Programs are offered by the following universities leading to a Master's Degree in the indicated subjects:

North Carolina State University — Adult and Community College
Education

East Carolina University — Guidance and Counseling
Political Science
Business Administration

University of North Carolina at Charlotte — Geography

Tuition costs have been established at \$50.00 per semester hour or \$33.00 per quarter hour. Details concerning admission, registration, and course offerings may be obtained from the representatives of universities offering the above programs. Their offices are located in the same building housing the Fort Bragg — Pope A.F.B. Campus of Fayetteville State University.

SCHEDULE

Use of Eight Week Terms

This campus offers four eight-week terms per academic year. Two summer sessions are held: One consists of eight weeks and one of seven weeks. Most classes convene two nights per week for three hours each. A detailed schedule of course offerings is published four weeks before each term begins.

Schedule of Terms:

Summer 1974

Term V	May 14, 1974	to	July 3, 1974
Term VI	July 8, 1974	to	August 22, 1974*

Fall 1974

Term I	August 26, 1974	to	October 21, 1974
Term II	October 23, 1974	to	December 21, 1974

Spring 1975

Term III	January 13, 1975	to	March 8, 1975
Term IV	March 12, 1975	to	May 6, 1975

Summer 1975

Term V	May 12, 1975	to	July 5, 1975
Term VI	July 7, 1975	to	August 23, 1975*

Fall 1975

Term I	August 25, 1975	to	October 20, 1975
Term II	October 22, 1975	to	December 20, 1975

Spring 1976

Term III	January 12, 1976	to	March 6, 1976
Term IV	March 15, 1976	to	May 8, 1976

Summer 1976

Term V	May 10, 1976	to	July 3, 1976
Term VI	July 5, 1976	to	August 21, 1976*

*Classes meet for three and one-half hours during this term.

ADMISSIONS

Admission

A student will be eligible for admission if:

- a. He has graduated from an accredited high school or, has a High School Equivalency Certificate or GED.
- b. He transfers from an accredited institution.

Credentials of satisfactory completion of high school (high school transcript, State Department of Education/Instruction Equivalency Certificate or United Armed Forces Institute Transcript) must be on file in the Admissions Office prior to enrollment or within four (4) weeks after being admitted conditionally to pursue courses.

The student will be classified as a special student until such time as he decides to pursue a major or an area of concentration.

Pre-Discharge Education Program (PREP)

Applicants who meet admissions standards but have indications of academic weaknesses may be admitted as non-matriculating students for attendance in a Pre-Discharge Education Program (PREP). The PREP will include courses in mathematics, English and reading. Mathematics (Math 110P, 111P, & 112P) and English (Eng 110P, 111P, & 112P) will be of three semester hours credit of each. Change of status to that of a matriculating student will require that the student earns at least a grade of "C" in mathematics and English during a specified term. (Such enrollees will be required to take Mathematics 115-116 and English 115-116 upon matriculation.) In each case the student will be required to spend at least 12 clock hours per week in intensive study of mathematics, English and reading. Additionally, tutorial services will be provided and regular attendance will be required.

Transfer Credit

Credits in an Associate of Arts or an Associate in Science Degree from any accredited junior college will be accepted. Credits from graduates of college parallel programs in state approved community colleges and technical institutes will receive full value for courses completed. In all cases, the student must meet the requirements of his Fayetteville State University major, even if it means taking freshman or sophomore level courses. The appropriate department chairman will review the record of the transfer student and make the final recommendation on courses to be taken for the degree.

All work, having a grade of "C" or better, completed at other accredited colleges and universities is acceptable as transfer credit at Fayetteville State University. Acceptable hours in subjects appropriate to the desired curriculum are determined by the campus admissions officer after an evaluation of all college transcripts, test reports, and military education record (DD Form - 295). The appropriate department or school will determine the total number of hours that may be applied toward a specified degree.

Civilian College Level Examination Program

The College-Level Examination Program (CLEP) is designed primarily to serve the nontraditional student who has acquired knowledge through correspondence and university extension courses, educational television, adult education programs, on-the-job training, and independent study. It enables adults and unaffiliated students to demonstrate their knowledge and validate their learning by receiving college equivalency for use by business, industry, and organizations other than institutions of higher learning.

There are two types of examinations: The General Examinations designed to provide a comprehensive measure of undergraduate achievement in five basic areas of liberal arts (English composition, mathematics, natural sciences, humanities, social sciences-history) and the Subject Examinations designed to measure achievement in specified undergraduate courses.

Although the examinations are primarily designed for adults no longer actively engaged in formal education programs, CLEP may also be useful to college and high school students desiring to accelerate or enrich their studies. CLEP may be of particular interest to exceptional upper-class students in high schools not participating in the College Entrance Examination Board's Advanced Placement Program.

CLEP Subject Examinations provide a more satisfactory evaluation of material covered in courses offered at Fayetteville State University and are, therefore, recommended over the General Examinations for a person who is considering taking CLEP examinations.

Credit for General Examinations of CLEP will be as follows:

- a. Six semester hours of credit will be granted for each of the five parts of the CLEP test, provided the individual attains a score at the 425 percentile or above in each test or as recommended by the American Council on Education.
- b. Credits granted for these tests may be used to meet core requirements and as elective credits; credits allowed for the general examinations of the CLEP are not counted toward major requirements.

- c. Where duplications with college courses and other types of tests occur, credit will be allowed for only one or the other, not for both.

Credits for Subject Examinations of CLEP will be as recommended by the Commission on Accreditation of Service Experiences (CASE) and the American Council on Education.

Institutional Challenge Examination (ICE)

The degree or non-degree student at Fayetteville State University who wished to earn credit by Institutional Challenge Examinations may arrange for examinations in the area of his determination by scheduling a conference with the admissions officer who will refer the student to the coordinator of the area in which the student wishes to be tested. Following the coordinator's advisement, the student will register for the course. The coordinator or someone designated by the coordinator will confer with the student to determine his readiness for the examination and will after two or more conferences set a time for the examination. The coordinator and/or his designate will design, administer and evaluate the examination, acquaint the student with the evaluation and record an earned letter grade.

No coordinator or his designate may give an ICE until the student has the necessary approvals on forms supplied by the registrar.

Permission for the examination will be given only in those instances in which the student has already gained a fundamental knowledge of the subject.

The student may not challenge to take an examination if he has audited or taken the course for credit, received credit for a higher-numbered or subsequent course in the same field.

The student may challenge by examination a specific course *only one time*. An example is English 115 — Grammar and Composition. The number of courses a student may challenge by examination will be determined by the adviser and the student.

Normally ICE should be scheduled in the first three days of the term.

ICE will not be indicated as such on the student's record. Credits earned through ICE will be used on computation of the student's quality point average.

ICE in required courses in the student's major and minor may be taken to determine whether or not the student may obtain credit for these courses and, where applicable, to provide evidence for teacher certification.

Other Credits

In addition to credit from the sources mentioned above, Fayetteville State University recognizes the test placement programs of the American College Testing Service (ACT) and the United States Armed Forces Institute (USAFI). College credit and advanced placement will be granted for credit acquired through satisfactory performance on ACT advanced placement examinations, advance placement programs of the College Entrance Examination Board (CEEB), the College Level Examination Program Tests (CLEP) and all college end-of-course tests and subject examinations.

Credit for Service School attendance will be as recommended by the Commission on Accreditation of Service Experiences (CASE), provided the subject matter is applicable to the student's curriculum.

Credit for Military Service will be three semester hours. (Military personnel are awarded three semester hours of credit in physical education and health to satisfy the core requirements of the University.)

Maximum Credit

Maximum allowable credit by transfer or other means for a Baccalaureate Degree is 100 semester hours and for an Associate of Arts Degree is 48 semester hours, depending on the major.

Servicemen's Opportunity College (SOC)

Fayetteville State University is a charter member of the network of four-year degree granting colleges known as the Servicemen's Opportunity College. The SOC concept has been jointly developed by representatives of each of the armed services, the Department of Defense and a number of higher education associations. The SOC project seeks to identify an extensive network of colleges and universities committed to making higher education more readily available to service men and women in ways consistent with their assignments.

A formal agreement was signed by the Chancellor on November 15, 1973, committing the University to the SOC concept. The areas covered by the agreement were entrance requirements, increased study opportunities, access to campus, completion of interrupted work, special academic assistance, credit for in-service educational experiences, adaptable requirements, liaison, and transfer policies.

Contract Degrees

Students admitted to Fayetteville State University, Fort Bragg — Pope A.F.B. Campus, may enter into a contract for completion of all requirements for a degree. Prior to being reassigned from Fort Bragg or Pope A.F.B., the student will be counselled by the admissions officer who will determine existing requirements for a degree. The student may enter into a contract for the completion of his degree requirements. Upon arrival at the next duty station, the student may enroll at another institution to complete the specific requirements for the degree. As courses are completed, grades are forwarded from the institution being attended to Fayetteville State University. Upon completion of all requirements for the degree, the student is provided an application to submit for graduation. When all obligations for graduation and financial fees are met, the degree is conferred to the student at the next appropriate Commencement Exercise.

REGISTRATION

Preregistration

Students may wish to meet with their adviser during the period set aside for preregistration. At this time they may select courses in which they wish to enroll and fill in the proper forms for registration.

Registration

The academic year is divided into six terms. Five of these terms consist of eight weeks and one consists of seven weeks. A student may enter the University at the beginning of any one of these terms. All students must complete the payment of fees during the period designated for registration.

Only after the student has furnished the appropriate offices all of the required information and has paid all fees due at the time of registration, is his registration complete.

No one is considered to be enrolled in the University until he has completed all registration requirements.

All 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. Later registration may be permitted under extenuating circumstances, provided that prior approval is granted by the instructor.

Drop and Add

Changes in a student's registration may be made until the last day of late registration.

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

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

TUITION AND FEES

Basic Cost

Undergraduate tuition is thirty-five dollars (\$35.00) per semester hour. A laboratory fee of ten dollars (\$10.00) is charged for courses requiring laboratory work. Any student wishing to seek his degree must pay a ten dollar (\$10.00) admission fee.

Tuition Assistance

Government assistance is available to all active duty military personnel. The cost of tuition for the active military is \$8.75 per semester hour, which is one-fourth of the tuition. The government provides the remaining three-fourths of the total tuition.

VA Assistance

GI Bill Assistance is available to all personnel with over 180 days active duty. Advance payments may be arranged with the VA for the fall and spring semesters. Veterans who served and servicemen currently serving on active duty for more than 180 days, part of which occurred after January 3, 1955, are eligible for the GI Bill assistance.

ACADEMIC REGULATIONS

Definition of Letter Grades

The quality value of the four passing grades is explained as follows:

- a. The grade of "A" indicates excellence.
- b. The grade of "B" denotes achievement distinctly above average.
- c. The grade of "C" represents satisfactory or average achievement.
- d. The grade of "D" designates work that meets the minimum requirements of the course.
- e. **The grade of "E" indicates that the student has failed the course and that in order to receive credit for the course, he must repeat the course.**

Grades which do not carry a numerical equivalent or grade-point value include the following:

GRADE	MEANING
I	Incomplete
X	Absent from final comprehensive examination.
W	Official withdrawal from course within two weeks after the close of registration.
WP or WE	Official withdrawal from a course more than two weeks after the close of registration while PASSING or FAILING .
DP or DE	Dropped from a course for excessive absences while PASSING or FAILING .

Withdrawals

- a. Students may withdraw from a class *without penalty* any time after the first class session and before the fifth class session, provided proper forms are completed and given to the registrar. In such cases the student will receive the grade "W." After the fifth class session, a student will receive a "WP" or "WE," as appropriate.

- b. Active duty military students may withdraw *without penalty* at any time after the first class session upon the presentation of official military orders indicating that a change in the student's military duties precludes the student's proper attendance at classes. In such cases the student must also inform his appropriate Army or Air Force Education Center. In the event a student receives orders to depart this installation near the end of a term, the student may take the final examination early after consultation in advance with the instructor.
- c. In the event a student simply stops attending classes without completing proper forms, the student will be given a "DP" or "DE," as appropriate. The student should be reminded that "DE" is a failing grade, and does carry a grade-point value of zero. Military students receiving "DP" or "DE" may be required to refund to the appropriate service the portion of the tuition paid by the Government.

Incompletes

- a. The purpose of an incomplete is to allow a student to make up a small fraction of the work required to complete a course. The amount of make-up work should not exceed requirements of time beyond two regular class sessions for the course in question.
- b. In the event more work is required than can be accomplished in two regular class sessions, a withdrawal grade should be posted in accordance with the policies indicated for withdrawal.
- c. All incomplete grades should be removed by the end of the next term. The incomplete reverts to a failure if not removed within one year from the date it is assigned.
- d. Students in the Air Force have six months to make up an incomplete before having to reimburse the Air Force for their portion of the tuition, whether or not the course is offered during the period, or furnish basis for waiver of reimbursement to the appropriate Education Center.
- e. Students in the Army have only one term to make up an incomplete before having to reimburse the Army for their portion of the tuition, whether or not the course is offered during the next term.

Quality Points and Grade-Point Average (GPA)

The University grades on a four-point system. At the end of each term, 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 term. Letter grades are assigned, and each one has a grade-point value as shown below:

LETTER GRADE	Grade-Point Value Per Semester Hour
A	4
B	3
C	2
D	1
E	0

The cumulative grade-point average is determined by dividing the total number of grade points earned by the total number of semester hours pursued including those for which a "WE" or "DE" was assigned.

Grade point calculations are made at the close of each term. They are computed by multiplying the number of semester hour 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"; by 1 for a grade of "D." No grade points are assigned for a grade of "E."

A student who earned grades as follows for a given term would earn the grade points and grade-point average indicated:

Course	Grade	Credits	
		Attempted	Grade-Point
PED 101	C	1	2
CHE 111	A	4	16
SOC 321	B	3	9
ECO 212	D	3	3
ENG 115	A	3	12
MAT 116	E	<u>3</u>	<u>0</u>
		17	42

The "sum" or "divisor" of 17 into 42 equals a 2.47 grade-point average.

Faculty Advisers

Every student is assigned a faculty adviser with whom he may consult about his curriculum planning, course registration, and other academic decisions. The advisers are on duty during registration to assist in counselling all students. Although urged to make full use of the help his adviser can provide, the student is expected to read and understand this CATALOGUE and to accept ultimate responsibility for the decisions he makes.

Transcripts of Academic Record

Upon the student's written request, the University will release a transcript of the student's academic record. Requests should be addressed to the Office of the Registrar.

There is a fee of \$2.00 for each transcript. Official transcripts are not released to students.

Policy on Absences

Since the pace of learning on this campus is twice as fast as it is on the normal campus with sixteen week semesters, no cuts of any classes are authorized. If for official or health reasons a student is absent from class, the student will arrange with the teacher to make up work. It will be left to the discretion of the teacher, after due consideration of the student's performance, to determine how many absences a student may have before being subject to the withdrawal policies given above. Students will be given a final grade only if they have completed all the evaluation requirements contained in the course objectives.

Dean's List

A student who earns a Grade Point Average of 3.0 or better for twelve or more semester hours during two successive terms will be placed on the Dean's List. For the purpose of computing Grade Point Average, successive terms shall be classified as Fall (I,II), Spring (III,IV) and Summer (V,VI). This achievement will be noted on the student's grade report and permanent academic record.

ACADEMIC PROGRAMS**Core Curriculum**

A level of proficiency in certain subjects is required of all students seeking an undergraduate degree from this campus of Fayetteville State University. These standards are necessary if the University is to satisfy the purpose, mission, and objectives of higher education given on page 2. The subjects are called the core subjects.

The student need not enroll in the core courses in order to obtain credit. He may, by any one of the methods specified in page 9, obtain credit as a result of having had equivalent experiences. The student must keep in mind that his future academic success depends on the individual's possessing adequate communicative and computational skills. Basic courses in these subjects are recommended for all freshmen.

Core subjects, together with the required semester hours of credit, are listed below. It is expected that these subjects will be completed during the freshman and sophomore years.

Subject	Semester Hours Required
Communicative Skills Area	12
English 115-116	(6)
Select 6 hours from:	
*English 330 Advanced Grammar; English 331 Advanced Composition	(6)
*French 111-112 Elementary French	(6)
*German 111-112 Elementary German	(6)
*Spanish 111-112 Elementary Spanish	(6)
*Literature (English 211-212, World Literature; English 311-312, English Literature; or English 321-322, American Literature	(6)
Computational Skills Area	6
Mathematics 115-116	(6)
Note: Students majoring in mathematics or engineering should be aware that degree requirements in these subjects do not include credit for MAT 115-116. Further details for students in this category will be found under mathematics programs.	
Natural Science Area	8
Select 8 or more hours from:	
*Biology 111-112	(8)
*Botany 111	(3)
*Chemistry 111-112	(8)
*Geology 311-312	(6)
*Physical Science 111-112	(8)
*Physics 111-112	(8)
*Zoology 111-112	(6)
History/Humanities Area	6
Select 6 hours from:	
*History 115-116	(6)
*Humanities 211-212 Philosophy 210	(6) (3)
Social Sciences Area	6
Select 6 hours from:	
Anthropology	(3)
Economics	(3)
Geography	(3)
Government	(3)
Political Science	(3)
Sociology	(3)
Health and Physical Education	3
	Total 41

**Where subjects are given in sequence, it is expected that both courses be taken. An example is Biology 111 and Biology 112. This procedure will facilitate transfer of credit. In the event that it is not feasible for a student to take the second course, the student may, after consultation with his faculty adviser, substitute another subject in the same category.*

DEGREE PROGRAMS

Although this campus offers courses from all departments on Main Campus as the need requires, a full time faculty is maintained on the Fort Bragg — Pope Air Force Base Campus for the following disciplines: Business Administration, Economics, Education, English, Government, History, Mathematics, Psychology, Sociology, and Anthropology. An adviser for the Natural Sciences is available from the Main Campus.

This section of the catalogue provides the programs of study which are available on the Fort Bragg — Pope Air Force Base Campus; the programs are listed by departments.

Throughout the programs of study and in the course descriptions which follow, departmental code course titles and course numbers are used. Appropriate keys for the departmental codes are listed below:

Code	Courses	Code	Courses
AST	Aerospace Studies	JOU	Journalism
ANT	Anthropology	MAT	Mathematics
ARC	Archaeology	MAT/CS	number CS- Computer Science
ART	Art	MUS	Music
BAD	Business Administration	PED	Physical Education
BED	Business Education/ Secretarial Science	PHL	Philosophy
BIO	Biology	PHY	Physics
BIO-CHE	Bio-Chemistry	PCS	Physical Science
BOT	Botany	POL	Political Science
CHE	Chemistry	PSC	Police Science
CSK	Communicative Skills	PSY	Psychology
ECO	Economics	REL/SOC	Religion and Sociology
EDU	Education	REA	Recreation
ENG	English	SOC	Sociology
FRE	French	SPA	Spanish
GGY	Geography	SPC	Speech
GEO	Geology	SPE EDU	Special Education
GER	German	SWA	Swahili
HED	Health Education	THE	Theater
HIS	History	ZOO	Zoology
HUM	Humanities		

DEPARTMENT OF BUSINESS ADMINISTRATION

Courses leading to both the Bachelor of Arts and the Associate of Arts degrees in Business Administration are offered on the Fort Bragg Campus. Since most courses are offered in the evening, the Department is able to use many highly qualified people from the business community as instructors in business subjects. Thus, instruction is based on sound business practice as well as theory. The Bachelor of Arts degree is awarded after successful completion of four years of college work, whereas the Associate of Arts degree requires successful completion of two years of college work.

The objectives of the Department of Business Administration are:

1. To present students with a well rounded and practical business education based upon a broad foundation in liberal arts.
2. To prepare our graduates for positions of leadership in a wide variety of business and administrative areas.
3. To develop a capacity and academic base for continued intellectual growth in areas of greatest demand by the business community, such as accounting and finance.
4. To develop versatile capabilities of a practical nature and to develop the student's ability to think and make decisions in the real world of business.
5. To provide educational opportunities on a short term basis through one and two year business programs for students seeking employment or advancement without completing a baccalaureate program.

NON-TEACHING CURRICULUM
Business Administration, B.A. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
HIS/HUM Elective	3	HIS/HUM Elective	3
Natural Science Elective	4	Natural Science Elective	4
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
PED 101-108 Physical Education	1	ECO 211 Principles of Economics I	3
	—		—
	14		16

SOPHOMORE YEAR

POL 210 American Government	3	Social Science Elective	3
BAD 231 Principles of Accounting	3	BAD 232 Principles of Accounting	3
ECO 212 Principles of Economics II	3	BAD 230 Business Organization and Management	3
ENG or Foreign Language Elective	3	BAD 220 Business Machines	3
BAD Intermediate Typewriting	3	ENG or Modern Foreign Language Elective	3
	—		—
	15		15

JUNIOR YEAR

BAD 311 Intermediate Accounting	3	BAD 312 Intermediate Accounting	3
BAD 301 Principles of Management	3	BAD 332 Business Statistics	3
BAD 320 Business Communications	3	BAD 412 Business Law II	3
BAD 412 Business Law I	3	SPC 340 Public Speaking	3
ECO 311 Micro Economics or		Elective Business Administration	3
ECO 421 Economics Problems	3		—
	—		15
	15		

SENIOR YEAR

BAD 400 Intro to Data Processing	3	ECO 432 Money and Banking	3
BAD 470 Human Relations in Business ..	3	BAD 451 Principles of Finance	3
ECO 411 Marketing	3	BAD 414 Business Internship	3
ECO 311 Micro Economics or		Elective Business Administration	3
ECO 421 Economic Problems	3	Elective Business Administration	3
Elective Business Administration	3		—
	—		15
	15		

Total Required Semester Hours — 120

ASSOCIATE OF ARTS DEGREE
Business Administration

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
HIS/HUM Elective	3	HIS/HUM Elective	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
BAD 211 Intro to Business	3	BAD 111-112 Elementary Typewriting ..	2
PED 101-108 Physical Education	1	ECO 211 Principles of Economics I	3
Natural Science Elective	4	Natural Science Elective	4
	—		—
	17		18

SECOND YEAR

ECO 212 Principles of Economics II	3	BAD 232 Principles of Accounting	3
BAD 231 Principles of Accounting	3	ECO 411 Marketing	3
BAD 230 Business Organization and Management	3	BAD 400 Intro to Data Processing	3
BAD 320 Business Communication	3	Social Science Elective	3
BAD 421 Business Law I	3	SPC 340 Public Speaking	3
	—		—
	15		15

Total Required Semester Hours — 65

ELECTIVES:

- | | |
|--------------------------------------|---|
| BAD 340 Principles of Insurance | BAD 430 Personnel Management |
| BAD 350 Federal & State Income Taxes | BAD 433 Production Management |
| BAD 357 Real Estate | BAD 437 Investments |
| BAD 360 Managerial Accounting | BAD 441 Advanced Accounting |
| BAD 361 Salesmanship | BAD 442 Governmental & Public
Accounting |
| BAD 363 Advertising | BAD 450 Corporation Finance |
| BAD 417 Cost Accounting | BAD 460 Labor Problems |
| BAD 418 Auditing | BAD 490 Hotel & Motel Management |
| BAD 440 Personal Finance | |

DEPARTMENT OF BIOLOGICAL AND PHYSICAL SCIENCES

The Department of Biological and Physical Sciences of Fayetteville State University offers courses which prepare students to meet the general education requirements of the University; for entrance into graduate, medical and professional schools, and for the teaching professions.

The Bachelor of Science degree is offered in biology and chemistry for both teaching and non-teaching majors. The Department also offers the Associate of Arts degree with a concentration in biology and chemistry. Additionally, students may obtain minors in general science, physical science and physics.

Cooperative programs with North Carolina State University at Raleigh, North Carolina lead toward a Bachelor of Arts degree in conservation, physics, pulp and paper science and technology, textile chemistry, and textile technology.

Thirty semester hours are required for a major in biology and thirty-two hours for a major in chemistry. Applicants for the Associate of Arts degree must complete a minimum of one semester of residence study at Fayetteville State University, including fifteen semester hours of course work. Depending upon the specific cooperative program which he enters, a student would complete the first two to three years of study at Fayetteville State, then transfer to North Carolina State University at Raleigh to complete the last two years of his program.

The Department of Biological and Physical Sciences has the following objectives:

1. To develop in the student a knowledge of basic principles which govern and regulate the activities of living organisms and those physical principles which are used to explain the interactions between animate and inanimate objects.
2. To assist the student in gaining a mastery of some of the tools used in scientific study.
3. To aid students in acquiring the techniques that will promote clear, incisive thought.
4. To guide the student in his quest for the knowledge that will enable him to enter graduate and professional schools.
5. To provide instruction in a specific discipline for prospective secondary school teachers.

The Associate of Arts Program has the following objectives:

1. To provide instruction for laboratory assistants and technicians who may desire jobs in industrial concerns or in merchandising.
2. To provide instruction in special programs for which basic science courses, mathematics, and communicative skills are needed.
3. To provide instruction in foundation courses for the completion of the bachelor's degree at some future date.

TEACHING CURRICULUM

Biology Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Into to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
ZOO 111 General Zoology	3	ZOO 112 General Zoology	3
CHE 111 General Chemistry	4	CHE 112 General Chemistry	4
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
	—		—
	14		15

SOPHOMORE YEAR

BOT 211 General Botany	3	HIS/HUM Elective	3
CHE 211 Analytical Chemistry	4	CHE 212 Analytical Chemistry	4
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
HIS/HUM Elective	3	SPC 340 Public Speaking	3
Social Science Elective	4	Social Science Elective	4
	—		—
	17		17

JUNIOR YEAR

PHL 210 Philosophy	3	SOC 210 Principles of Sociology	3
ZOO 311 Comparative Anatomy	3	ZOO 312 Comparative Anatomy	3
PHY 111 General Physics	4	PHY 112 General Physics	4
ZOO 321 Vertebrate Physiology	3	BOT 322 Bacteriology	3
EDU 310 Foundations of Education	3	ENG/ Foreign Language Elective	3
ENG/ Foreign Language Elective	3		—
	—		16
	17		

SENIOR YEAR

GEO 311 Intro to Geology	3	EDU 421 Principles of Sec. Education ..	3
ZOO 411 Principles of Genetics	3	EDU 412 Student Teaching	6
EDU 331 Educational Psychology and Measurement	3	EDU 351 Methods and Materials of Teaching Science	3
ZOO 410 Histology and Microtech.	3		—
ZOO 420 Embryology	3		12
	—		
	15		

Total Required Semester Hours — 123

NON-TEACHING CURRICULUM
Biology Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
ZOO 111 General Zoology	3	ZOO 112 General Zoology	3
CHE 111 General Chemistry	3	CHE 112 General Chemistry	4
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
	—		—
	14		15

SOPHOMORE YEAR

Social Science Elective	3	Social Science Elective	3
CHE 211 Analytical Chemistry	4	CHE 212 Analytical Chemistry	4
HIS/HUM Elective	3	HIS/HUM Elective	3
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
BOT 211 General Botany	3	PHL 210 Philosophy	3
	—		—
	16		16

JUNIOR YEAR

SPC 340 Public Speaking	3	MAT 212 Analytic Geometry and Calculus I	4
ZOO 311 Comparative Anatomy	3	ZOO 312 Comparative Anatomy	3
ZOO 321 Vertebrate Physiology	3	BOT 322 Bacteriology	3
CHE 311 Organic Chemistry	4	CHE 312 Organic Chemistry	4
ENG/ Foreign Language Elective	3	ENG/Foreign Language Elective	3
	—		—
	16		17

SENIOR YEAR

ZOO 420 Embryology	3	ECO 211 Principles of Economics	3
ZOO 410 Histology and Microtech.	3	EDU 331 Educ. Psychology and Measurement	3
ZOO 411 Genetics	3	PHY 112 General Physics	4
PHY 111 General Physics	4	Electives*	6
SOC 210 Principles of Sociology	3		—
	—		—
	16		16

*Electives

Any course in the current semester schedule may be taken as electives, unless prerequisites which have not been taken are required or designated otherwise.

Total Required Semester Hours — 126

ASSOCIATE OF ARTS DEGREE
Biology

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT	3	MAT 116 Intro to Contemporary MAT II	3
ZOO 111 General Zoology	3	ZOO 112 General Zoology	3
CHE 111 General Chemistry	4	CHE 112 General Chemistry	4
BOT 211 General Botany	3	Social Science Elective	3
	—		—
	16		16

SECOND YEAR

CHE 211 Analytical Chemistry	4	CHE 212 Analytical Chemistry	4
ZOO 311 Comp. Anatomy	3	ZOO 312 Comp. Anatomy	4
MAT 212 Analytic Geometry and Calculus I	4	ENG/ Foreign Language Elective	3
HIS/HUM Elective	3	BOT 322 Bacteriology	3
Social Science Elective	3	HIS/HUM Elective	3
ENG/Foreign Language Elective	3		—
	—		—
	20		16
Total Required Semester Hours —	68		

TEACHING CURRICULUM

Chemistry Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
CHE 111 General Chemistry	4	CHE 112 General Chemistry	4
Social Science Elective	3	Social Science Elective	3
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
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	14		15

SOPHOMORE YEAR

HIS/HUM Elective	3	HIS/HUM Elective	3
CHE 211 Analytical Chemistry	4	CHE 212 Analytical Chemistry	4
PHY 111 General Physics	4	PHY 112 General Physics	4
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
MAT 212 Analytical Geometry		PHL 210 Philosophy	3
	<hr style="width: 100%; border: 0.5px solid black;"/>		<hr style="width: 100%; border: 0.5px solid black;"/>
	18		17

JUNIOR YEAR

CHE 311 Organic Chemistry	4	CHE 312 Organic Chemistry	4
PHY 211 Mechanics	4	PHY 212 Heat	4
ENG/ Foreign Language Electives	3	ENG/ Foreign Language Elective	3
EDU 310 Foundations of Education	3	ECO 211 Principles of Economics I	3
EDU 331 Educ. Psychology and Measurement	3	SPC 340 Public Speaking	3
	<hr style="width: 100%; border: 0.5px solid black;"/>		<hr style="width: 100%; border: 0.5px solid black;"/>
	17		17

SENIOR YEAR

CHE 321 Physical Chemistry	4	CHE 322 Physical Chemistry	4
GEO 311 Intro to Geology	3	EDU 421 Principles of Secondary Education	3
EDU 340 Human Development	3	EDU 351 Methods and Materials of Teaching Secondary Education	3
SOC 210 Principles of Sociology	—	EDU 412 Student Teaching	3
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	18		16

NOTE: Students who plan to minor in chemistry should take Chemistry 311 and 312, Organic Chemistry during the junior year.

Total Required Semester Hours — 132

NON-TEACHING CURRICULUM

Chemistry Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
CHE 111 General Chemistry	4	CHE 112 General Chemistry	4
Social Science Elective	3	Social Science Elective	3
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
	—		—
	14		15

SOPHOMORE YEAR

HIS/HUM Elective	3	HIS/HUM Elective	3
CHE 211 Analytical Chemistry	4	CHE 212 Analytical Chemistry	4
PHY 111 General Physics	4	PHY 112 General Physics	4
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
MAT 212 Analytic Geometry and Calculus I	4	PHL 210 Philosophy	3
	—		—
	18		17

JUNIOR YEAR

HE 311 Organic Chemistry	4	CHE 312 Organic Chemistry	4
PHY 211 Mechanics	4	PHY 212 Heat	4
ECO 211 Principles of Economics I	3	MAT 322 Analytic Geometry and Calculus III	4
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
MAT 321 Analytic Geometry and Calculus II	4	Elective	3
	—		—
	18		18

SENIOR YEAR

PHY 311 Electricity and Magnetism	4	PHY 312 Electricity and Magnetism	4
CHE 321 Physical Chemistry	4	CHE 322 Physical Chemistry	4
SOC 210 Principles of Sociology	3	Electives	6
Electives	3		—
	—		—
	14		14

Total Required Semester Hours — 128

ASSOCIATE OF ARTS DEGREE
Chemistry

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
CHE 111 General Chemistry	4	CHE 112 General Chem stry	4
CHE 211 Analytical Chemistry	4	CHE 212 Analytical Chemistry	4
PED 101-108 Physical Education*	1	HED 112 Personal Hygiene*	2
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	15		16

SECOND YEAR

HIS/HUM Elective	3	HIS/HUM Elective	3
CHE 311 Organic Chemistry	4	CHE 312 Organic Chemistry	4
PHY 111 General Physics	4	PHY 112 General Physics	4
Social Science Elective	3	Social Science Elective	3
MAT 212 Analytic Geometry and Calculus I	4	MAT 321 Analytic Geometry and Calculus II	4
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	18		18

Total Required Semester Hours — 67

*Could be replaced with a 3 hour general education course for military personnel.

DEPARTMENT OF COMMUNICATIVE ARTS

The study of English, Speech/Theatre, and Communications offers learners the opportunity to acquire a broad education that will prepare them to adapt to a wide variety of careers by acquainting them with a precise working knowledge of the grammatical and other structural features of the English language as a basis for developing discriminating and critical reading, writing, listening, and speaking skills. Competency in the use of one's written and oral language and familiarity with the literature and media of one's culture are virtually a necessity in the fulfillment of serious ambitions. Skill in language strengthens the learner's effectiveness in the various causes that he undertakes; familiarity with the wisdom of a people as it is embodied in the literature is an indispensable part of liberal education.

The program of work which embraces the fields of language, composition and literature is designed to meet the English requirements of each department, and provide adequate training to majors in the fields of English and Speech/Theatre through regular class periods, seminars, laboratory sessions and counseling to afford time for the individualized attention to students with special projects.

The introductory courses in English are designed to improve the student's ability to analyze and arrange ideas, to write effective expository prose, and to read various types of literature with appreciative understanding. Advanced courses offer opportunity to develop skill in critical writing, to gain a knowledge of the structure of the language, to trace the history of English and American literature as an art and to deepen his understanding of literature's relation to human culture, to examine and apply critical theories, and to study intensively the works of specific periods and major authors.

Today, a major in English is expected of those students who plan to enter professions of publishing, journalism, and the teaching of English. English majors are to be found in the foreign service, politics, library science, business, law, medicine, and religion. The strength of such preparation may also be observed in almost all fields of endeavor. There are two English major programs offered: the Bachelor of Arts program offers the minimum essentials for liberal arts training; the Bachelor of Science program prepares the student for a career in teaching in secondary schools.

Students majoring in English, Speech/Theatre may pursue either the Bachelor of Arts or the Bachelor of Science degree. All programs are planned to qualify students who wish to do graduate work in their respective specializations and related fields. Requirements for state certification differ in specific areas. Accordingly, semester hours vary somewhat among the programs as indicated in the curricula charts.

SPECIFIC REQUIREMENTS

1. Prospective majors and minors in the Communicative Arts Program and elementary education majors seeking a concentration in English or in Speech/Theatre must earn a grade point average of at least 2.00 in their freshman and sophomore communicative arts courses before enrolling in any other courses.
2. A minimum grade of "C" is required in all communicative arts courses for credit toward the degree in each of the areas of the program.
3. For all two-term courses, students should not enroll in the second part until they have satisfactorily completed the first part.
4. Prerequisite requirements must be observed as indicated in the course description. No credit will be allowed for courses taken without completion of specified prerequisites.
5. In those areas of specialization in the communicative arts which offer both the Bachelor of Arts and the Bachelor of Science degrees, the curriculum is the same for the first two years. Beginning in the junior year, candidates for the Bachelor of Arts degree can earn thirty-six additional semester hours and/or a minor in another field in place of professional education courses.
6. Students who wish to minor in English must complete twenty-four credits; in Speech/Theatre, twenty-one credits. In each instance, credits toward the minor are calculated beyond the basic core curriculum of the Communicative Arts Program.
7. Elementary Education majors who wish to concentrate in either English or in Speech/Theatre must complete eighteen hours beyond the introductory courses: English 115-116 and Speech 340.
8. The department encourages communicative arts majors to elect a minor, though a minor is not required.

TEACHING CURRICULUM
English Language and Literature Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
SOC SCI Elective	3	SOC SCI Elective	3
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
	—		—
	14		15

SOPHOMORE YEAR

HIS/HUM Elective	3	HIS/HUM Elective	3
ENG 211 World Literature (M)	3	ENG 212 World Literature (M)	3
SPC 340 Public Speaking	3	ENG 220 Afro-American Literature	3
ENG 330 Advanced Grammar	3	ENG 222 History of the Eng Language ..	3
Foreign Language Elective	3	Foreign Language Elective	3
	—	PHL 210 Philosophy	3
	15		—
			18

JUNIOR YEAR

ENG 331 Advanced Composition	3	ENG 312 English Literature	3
ENG 311 English Literature	3	ENG 322 American Literature	3
ENG 321 American Literature	3	EDU 340 Human Development	3
EDU 310 Foundations of Education	3	ENG 430 18th Century or	
EDU 331 Educational Psychology and Measurement	3	ENG 450 Romantic Prose and Poetry ...	3
	—		—
	15		12

SENIOR YEAR

ENG 410 Shakespeare	3	EDU 412 Student Teaching	6
ENG 460 American Novel	3	EDU 351 Methods and Materials Teaching English	3
ENG 412 Teaching of Reading	3	EDU 421 Principles of Secondary Education	3
ENG 480 The Modern Novel or ENG 370 Modern Prose, or ENG 360 Short Prose Fiction	3		—
Elective	3		12
	18		

Total Required Semester Hours — 119

NON-TEACHING CURRICULUM
English Language and Literature Major, B.A. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
SOC SCI Elective	3	SOC SCI Elective	3
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
	—		—
	14		15

SOPHOMORE YEAR

HIS/HUM Elective	3	HIS/HUM Elective	3
ENG 211 World Literature (M)	3	ENG 212 World Literature (M)	3
SPC 340 Public Speaking	3	ENG 220 Afro-American Literature ...	3
ENG 330 Advanced Grammar	3	ENG 222 History of the Eng. Language	3
Foreign Language Elective	3	Foreign Language Elective	3
	—	PHL 210 Philosophy	3
	15		—
			18

JUNIOR YEAR

ENG 331 Advanced Composition	3	ENG 312 English Literature	3
ENG 311 English Literature	3	ENG 322 American Literature	3
ENG 321 American Literature	3	ENG 350 The Seventeenth Century or	
Electives	6	ENG 400 Chaucer	3
	—	Electives	6
	15		—
			15

SENIOR YEAR

ENG 410 Shakespeare	3	ENG 430 Eighteenth Century	3
ENG 460 The American Novel	3	ENG 450 Romantic Prose and Poetry	
ENG 360 Short Prose Fiction,		or ENG 351 Victorian Prose and Poetry .	3
ENG 370 Modern Prose, or		Electives	6
ENG 480 Modern Novel			—
Electives	6		12
	—		
	15		

Total Required Semester Hours — 119

ASSOCIATE OF ARTS DEGREE
English

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
SPC 340 Public Speaking	3	Natural Science Elective	4
Natural Science Elective	4	ENG 330 Advanced Grammar	3
Social Science Elective	3	Social Science Elective	3
	—		—
	16		16

SECOND YEAR

ENG 211 World Literature I (M)	3	ENG 212 World Literature II (M)	3
HIS/HUM Elective	3	ENG 312 English Literature II	3
ENG 311 English Literature I	3	ENG 322 American Literature II	3
ENG 321 American Literature I	3	ENG 222 History of the Eng. Language .	3
ENG 331 Advanced Composition	3	HIS/HUM Elective	3
	—		—
	15		15

Total Required Semester Hours — 62

TEACHING CURRICULUM
Speech-Theatre Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
SOC SCI Elective	3	SOC SCI Elective	3
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	14		15

SOPHOMORE YEAR

HIS/HUM Elective	3	HIS/HUM Elective	3
SPC 340 Public Speaking	3	SPC 224 Voice and Diction	3
Foreign Language Elective	3	Foreign Language Elective	3
Elective	3	Elective	3
PHL 210 Philosophy	3	ENG 220 Afro-American Literature	3
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	15		15

JUNIOR YEAR

SPC 235 Phonetics	3	SPC 332 Oral Interpretation	3
SPC 340 Public Speaking	3	SPC 334 Stage Crafts	3
SPC 331 Play Production	3	SPC 320 Group Discussions	3
EDU 310 Foundations of Education	3	ENG 222 History of English Language ..	3
EDU 331 Education Psychology and Measurement	3	EDU 340 Human Development	3
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	15		15

SENIOR YEAR

SPC 410 Argumentation and Debate	3	EDU 410 Student Teaching	6
SPC 452 Children's Theatre	3	EDU 421 Principles of Sec. Education ..	3
ENG 410 Shakespeare	3	EDU 351 Methods of Teaching Speech ..	3
Electives	6		<hr style="width: 100%; border: 0.5px solid black;"/>
	<hr style="width: 100%; border: 0.5px solid black;"/>		12
	15		

Total Required Semester Hours — 116

NON-TEACHING CURRICULUM
Speech-Theatre Major, B.A. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
SOC SCI Elective	3	SOC SCI Elective	3
	—		—
	14		15

SOPHOMORE YEAR

HIS/HUM Elective	3	HIS/HUM Elective	3
SPC 340 Public Speaking	3	SPC 224 Voice and Diction	3
Foreign Language Elective	3	Foreign Language Elective	3
Elective	3	Elective	3
PHL 210 Philosophy	3	ENG 220 Afro-American Literature	3
	—		—
	15		15

JUNIOR YEAR

SPC 236 Phonetics	3	SPC 332 Oral Interpretation	3
SPC 340 Public Speaking	3	SPC 334 Stage Crafts	3
SPC 331 Play Production	3	SPC 320 Group Discussions	3
ENG 211 World Literature	3	ENG 222 History of English Language ..	3
Minor Course	3	Minor Course	3
	—		—
	15		15

SENIOR YEAR

SPC 410 Argumentation and Debate	3	SPC 475 Dramatic Theory and Criticism	3
SPC 452 Children's Theatre	3	ENG 380 Modern Drama	3
ENG 410 Shakespeare	3	Minor Courses	3
Minor Courses	6	Electives or Minor Courses	6
	—		—
	15		15

Total Required Semester Hours — 119

The department also offers two minors: one in English, the other in Speech/Theatre for students who are specializing in other areas of study. In addition, two concentrations are offered Elementary Education majors seeking certification in either English or in Speech/Theatre.

THE MINOR PROGRAM IN ENGLISH

The minor program in English provides interested students with a minimum foundation for teaching English in the junior or senior high school.

Course Requirements:

In addition to the basic core of the communicative arts program, the following English courses are required:

ENG 311-312 English Literature	6 Sem Hrs
ENG 321-322 American Literature	6 Sem Hrs
ENG 330 Advanced Grammar	3 Sem Hrs
ENG 331 Advanced Composition	3 Sem Hrs
ENG 421 Shakespeare	3 Sem Hrs
Elective (English)	<u>3 Sem Hrs</u>
	24 Sem Hrs

THE MINOR PROGRAM IN SPEECH AND THEATRE

The minor in Speech and Theatre prepares the secondary education major as a teacher of general speech in the junior or senior high school. If a student minoring in Speech and Theatre is required to take certain courses as an English major, he must elect substitutes to bring his hours up to twenty-one in speech and theatre. Other requirements are the same as for the minor in English.

Course Requirements:

In addition to the basic core of the communicative arts program, the following courses in speech and theatre are required:

SPC 236 Phonetics	3 Sem Hrs
SPC 332 Oral Interpretation	3 Sem Hrs
SPC 340 Public Speaking	3 Sem Hrs
THE 331 Play Production	3 Sem Hrs
THE 334 Stagecraft and Design	3 Sem Hrs
THE 452 Children's Theatre	<u>3 Sem Hrs</u>
	21 Sem Hrs

The coordinator and members of the department will help students decide which program or programs are best suited to their individual aptitudes, present needs and future plans.

DEPARTMENT OF ECONOMICS

The Department of Economics offers two undergraduate degree programs in economics: an Associate of Arts (A.A.) and a Bachelor of Arts (B.A.)*. In addition, the Economics Department offers a minor in economics.

The general objectives of the Department of Economics are as follows:

1. To prepare students for careers in business, banks, government services, peace corps, and teaching in secondary schools.
2. To prepare students for advanced and graduate work in economics.
3. To impart knowledge and inculcate analytical skills among students for better understanding of the working of economic systems and ensuing economic problems.
4. While core courses in economics stress specialized study to fulfill objectives one through three, the rest of the program is designed to provide insight into socio-cultural values for an integrated, balanced, and a more realistic view of social and economic phenomenon.

REQUIREMENTS

The program of studies leading to the degree of Bachelor of Arts in economics requires 122 semester hours of credit with an overall average of "C" or better and at least a "C" in economics courses. The required courses in economics include: ECO 311 Intermediate Economic Theory: Prices, Production, and Distribution; ECO 312 Intermediate Economic Theory: Aggregative Economics and Public Policy; BAD 400 Introduction to Data Processing; SOC 332 Social Statistics; and ECO 421 Economic Problems. Students must select at least 18 credit hours from economics electives and the rest from free electives.

The program of studies leading to the Associate of Arts degree in economics requires 62 semester hours of credit with an overall grade average of "C" or better, as well as at least a "C" in the economics courses taken.

**Pending approval of the Board of Governors, University of North Carolina.*

NON-TEACHING CURRICULUM
Economics Major, B.A. Degree*

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
HIS/HUM Elective	3	HIS/HUM Elective	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
PED 101-108 Physical Education	1	HED 112 Health Education	2
Natural Science Elective	4	Natural Science Elective	4
	<hr style="width: 100%;"/>		<hr style="width: 100%;"/>
	14		15

SOPHOMORE YEAR

Social Science Elective	3	Social Science Elective	3
ECO 211 Principles of Economics I	3	ECO 212 Principles of Economics II	3
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
PHL 210 Intro to Philosophy	3	PSY 210 Intro to Psychology	3
BAD 400 Intro to Data Processing	3	Elective	3
	<hr style="width: 100%;"/>		<hr style="width: 100%;"/>
	15		15

JUNIOR YEAR

ECO 311 Inter. Economic Theory: Prices, Production, and Distribution ..	3	ECO 312 Inter. Economic Theory: Aggregative Theory and Policy	3
Social Science	3	SOC 332 Social Statistics	3
Electives	6	Electives	6
ECO Elective	3	ECO Elective	3
	<hr style="width: 100%;"/>		<hr style="width: 100%;"/>
	15		15

SENIOR YEAR

ECO Electives	6	Electives	9
Electives	9	ECO Elective	6
ECO 421 Economic Problems	3		<hr style="width: 100%;"/>
	<hr style="width: 100%;"/>		15
	18		

*Pending approval of the Board of Governors, University of North Carolina.

Total Required Semester Hours — 122

ASSOCIATE OF ARTS DEGREE
Economics

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
ECO 211 Principles of Economics I	3	ECO 212 Principles of Economics II	3
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
	—		—
	14		15

SECOND YEAR

HUM Elective	3	HUM Elective	3
History Elective	3	ENG/ Foreign Language Elective*	3
PHL 210 Intro to Philosophy	3	ECO 421 Economic Problems	3
ECO 432 Money and Banking	3	Social Science Elective	3
Social Science Elective	3	Elective Economics	3
Elective Economics	3		—
	—		15
	18		

ELECTIVES:

ECO 411 Marketing
 ECO 425 Economic Development
 ECO 414 History of Economic Thought
 ECO 427 Comparative Economic System
 BAD 437/ECO 437 Investment
 ECO 430, Managerial Economics

Total Required Semester Hours — 62

*MAT 101CS — Computer Programming Language I or MAT 440 — Statistics or BAD 400 — Introduction to Data Processing or SOC 332 — Social Statistics *can be substituted for ENG/Foreign Language Elective.*

MINOR PROGRAM IN ECONOMICS

Twenty-four credit hours are required to minor in economics.

Course Requirements:

ECO 211 Principles of Economics I	3 Sem Hrs
ECO 212 Principles of Economics II	3 Sem Hrs
ECO 311 Intermediate Economic Theory: Prices, Production, and Distribution	3 Sem Hrs
ECO 411 Marketing	3 Sem Hrs
ECO 432 Money and Banking	3 Sem Hrs
ECO 421 Economic Problems	3 Sem Hrs
*ECO 425 Economic Development	3 Sem Hrs
*BAD/ECO 437 Investment	3 Sem Hrs
	<hr/>
	24 Sem Hrs

*ECO 312 or ECO 430 can be substituted for ECO 425
ECO 426 or ECO 427 can be substituted for BAD/ECO 437

ECONOMICS ELECTIVES

ECO 411 Marketing
ECO 413 Economic History
ECO 414 History of Economic Thought
ECO 421 Economic Problems
ECO 423 Regional Economics
ECO 424 Urban Economics
ECO 425 Economic Development
ECO 426 International Trade and Policy
ECO 427 Comparative Economic Systems
ECO 429 Public Finance
ECO 430 Managerial Economics
ECO 432 Money and Banking and Financial Institutions
ECO/BAD 437 Investments

BAD 231 Principles of Accounting
BAD 232 Principles of Accounting
BAD 342 Principles of Insurance
BAD 411 Business Law I
BAD 412 Business Law II
BAD 432 Personnel Management
BAD 452 Principles of Finance
BAD 453 Corporation Finance

DEPARTMENT OF EDUCATION

The Department of Education at Fort Bragg - Pope Air Force Base Campus of Fayetteville State University offers courses and programs leading to the Bachelor of Science Degree (teacher certification) in the areas of Early Childhood and Secondary Education and the Associate of Arts Degree in Early Childhood, Intermediate and General Education. Early Childhood education students should plan their program through the Coordinator for Education. Those interested in teaching at the secondary level should plan their programs through the coordinators of the discipline in which they intend to major (i.e., English, history, mathematics, political science, science, and sociology). Students planning to teach at the secondary level in states other than North Carolina should plan their programs through the Coordinator for Education.

All students seeking teaching degrees or teacher certification are required to have an internship experience (student teaching). Student teaching is arranged through the Director of Student Teaching on the Main Campus of Fayetteville State University. Students must register for student teaching the semester prior to doing their student teaching. They must have been approved by their department coordinators and the Division of Education before they can be placed in a local school system.

The general objectives of the Department of Education are as follows:

1. To prepare students for careers in early childhood, intermediate, and secondary education, and guidance.
2. To qualify students for professional certification in North Carolina and other states.
3. To impart to students knowledge and skills in teaching, child development, testing and measuring, and guidance.
4. To prepare students for advanced training or graduate work in the fields of supervision and guidance.

TEACHING CURRICULUM
Early Childhood Education Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
	<hr style="width: 100%; border: 0.5px solid black;"/>		<hr style="width: 100%; border: 0.5px solid black;"/>
	14		15

SOPHOMORE YEAR

PHL 210 Philosophy	3	ANT 210 Intro to Anthropology	3
PSY 210 General Psychology	3	SPC 221 Intro to Speech	3
GGY 211 Principles of Geography	3	GEO 311-312 Intro to Geology	3
HIS 211 United States History	3	HIS 212 United States History	3
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
	<hr style="width: 100%; border: 0.5px solid black;"/>		<hr style="width: 100%; border: 0.5px solid black;"/>
	15		15

JUNIOR YEAR

EDU 310 Foundations of Education	3	ART 310 Creative Art Exp. for Young Children	3
(HIS, PHL, and SOC)			
EDU 340 Human Development	3	HED 321 Health in Early Childhood Education	3
MUS 340 Music in Early Childhood Education	3	ENG 320 Children's Literature	3
PED 432 Physical Education in Early Childhood Education	3	EDU 331 Educational Psychology and Measurements	3
EDU 352 Foundations of Early Childhood Education	3	EDU 451 Audio-Visual Education	2
Elective	3	Elective	3
	<hr style="width: 100%; border: 0.5px solid black;"/>		<hr style="width: 100%; border: 0.5px solid black;"/>
	18		17

SENIOR YEAR

EDU 411 Teaching of Reading	3	EDU 412E Student Teaching in Elementary Education	6
Elective (Art or Music)	3		
Free Electives in Art and Music	9	EDU 420 Methods and Materials, Practice and Observation in Early Childhood Education	6
	<hr style="width: 100%; border: 0.5px solid black;"/>		<hr style="width: 100%; border: 0.5px solid black;"/>
	15		12

Total Required Semester Hours — 121

TEACHING CURRICULUM
Intermediate Education Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	L	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3		ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3		MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4		Natural Science Elective	4
HIS/HUM Elective	3		HIS/HUM Elective	3
PED 101-108 Physical Education	1		HED 112 Personal Hygiene	2
	—			—
	14			15

SOPHOMORE YEAR

ENG/ Foreign Language Elective	3		ENG/ Foreign Language Elective	3
HIS 211 United States History	3		HIS 212 United States History	3
PSY 210 General Psychology	3		SOC 210 Principles of Sociology	3
PHL 210 Philosophy	3		ECO 211 Principles of Economics I	3
GGY 211 Principles of Geography	3		GEO 311 or 312 Intro to Geology	3
	—			—
	15			15

JUNIOR YEAR

MUS 210 Music Appreciation	3		PED 322 Physical Education in Intermediate School	3
EDU 310 Foundations of Education	3		HED 332 Health Education in Intermediate School	3
(HIS, PHL, and SOC)			MUS 344 Music in Intermediate Education	3
ENG 330 Children's Literature	3		Concentration or Electives	3
EDU 331 Educational Psychology and Measurement	3		EDU 340 Human Development	3
EDU 451 Audio-Visual Education	2			—
	—			—
	14			18

SENIOR YEAR

EDU 411 Teaching of Reading	3		EDU 400 The Middle School	3
EDU 412E Student Teaching in Elementary Education	6		EDU 410 Education of the Exceptional Child	3
EDU 430 Methods and Materials, Practice and Observation in Intermediate School Education	6		EDU 412 Remedial and Corrective Reading in Elementary Education	3
	—		Concentration or Electives	6
	15			—
				15

Total Required Semester Hours — 121

ASSOCIATE OF ARTS DEGREE
Early Childhood Education

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
EDU 451 Audio Visual Education	2	HED 112 Personal Hygiene	2
PED 101-108 Physical Education	1		—
	—		15
	16		

SECOND YEAR

ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
PSY 210 General Psychology	3	PHL 210 Philosophy	3
GEO 311 Intro to Geology	3	SOC 210 Principles of Sociology or	
EDU 310 Foundations of Education	3	ANT 210 Intro to Anthropology	3
MUS 340 Music in Early Childhood Education	3	EDU 340 Human Development	3
ART 310 Creative Art	3	Free Electives in Music	3
	—	HED 321 Health in Early Childhood Education	3
	18		—
			18

Total Required Semester Hours — 67

ASSOCIATE OF ARTS DEGREE
Intermediate Education

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
EDU 451 Audio Visual Education	2	HED 112 Personal Hygiene	2
PED 101-108 Physical Education	1		—
	—		15
	16		

SECOND YEAR

ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
PSY 210 General Psychology	3	PHL 210 Philosophy	3
EDU 310 Foundations of Education	3	EDU 340 Human Development	3
PED 322 Physical Education in Intermediate School	3	ANT 210 Intro to Anthropology	3
GGY 211 Intro to Geography	3	HED 322 Health Education in Intermediate School	3
EDU 411 Teaching of Reading	3	HED 410 Education of the Exceptional Child	3
	—		—
	18		18

Total Required Semester Hours — 67

**ASSOCIATE OF ARTS DEGREE
General Education**

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
HIS/HUM Elective	3	HIS/HUM Elective	3
Natural Science Elective	4	Natural Science Elective	4
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 14		<hr/> 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 Philosophy	3	Elective	6
Elective	6		<hr/> 12
	<hr/> 15		

Total Required Semester Hours — 56

DEPARTMENT OF MODERN FOREIGN LANGUAGES

The Department of Modern Foreign Languages provides a teaching program for majors in French which leads to the Bachelor of Science degree. Curricular offerings also include minor programs in Spanish and French and concentrations in both languages.

An honors program is available for students in the elementary year of French or Spanish. This program consists of those who show a high proficiency upon entrance.

The Department of Modern Foreign Languages places emphasis on the following objectives:

1. To equip students with the basic linguistic skills of listening comprehension, speaking, reading, and writing the language with ease.
2. To provide knowledge of the grammatical structure of the language.
3. To give study to the various literary periods, leading works and authors.
4. To provide a knowledge of foreign civilizations and cultures which will engender attitudes of tolerance, appreciation, and understanding of other nations of peoples.
5. To prepare for the teaching of foreign language as well as for linguistic endeavors in the areas of business, of industry, or governmental work.

REQUIREMENTS

The requirement for a major in French is thirty semester hours above the elementary level, or thirty-six hours inclusive of the latter. General Education courses are enrolled in during the freshman and sophomore years.

All majors in French are advised to take at least two years of another language. Apart from the linguistic field, courses in European history, literature, and geography are especially recommended.

The minor programs in either Spanish or French have a requisite of twenty-four semester hours of the language inclusive of the six hours of elementary study or its equivalent. A concentration consists of eighteen hours of language study.

Students who have completed work in French or Spanish in high school will be placed according to results of an entrance examination.

TEACHING CURRICULUM
French Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
FRE 111 Elementary French	3	FRE 112 Elementary French	3
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
HIS/HUM Elective	3	HIS/HUM Elective	3
Natural Science Elective	4	Natural Science Elective	4
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
	<hr style="width: 100%;"/>		<hr style="width: 100%;"/>
	17		18

SOPHOMORE YEAR

FRE 211 Intermediate French	3	FRE 212 Intermediate French	3
SPC 340 Public Speaking	3	ENG 212 World Literature	3
ENG 211 World Literature	3	Social Science Elective	3
Social Science Elective	3	MUS 210 Music Appreciation	3
ART 211 Art History and Appreciation .	3	Elective (Spanish 112)	3
Elective (Spanish 111)	3	Elective	3
	<hr style="width: 100%;"/>		<hr style="width: 100%;"/>
	18		18

JUNIOR YEAR

FRE 311 French Conversation I	3	FRE 312 French Conversation II	3
FRE 321 French Civilization and Culture	3	FRE 322 Survey of French Literature I ..	3
EDU 311 Foundations of Education	3	EDU 312 Foundations of Education	3
EDU 331 Educational Psychology and Measurement	3	EDU 421 Principles of Secondary Education	3
Elective (Spanish 211)	3	Elective (Spanish 212)	3
EDU 340 Human Development	3	Elective	3
	<hr style="width: 100%;"/>		<hr style="width: 100%;"/>
	18		18

SENIOR YEAR

FRE 323 Survey of French Literature II .	3	FRE 412 Modern French Novel	3
FRE 411 17th Century	3	EDU 412 Student Teaching	6
FRE 421 Advanced Grammar and Composition	3	Elective	3
EDU 351 Methods and Materials of Teaching French	3		<hr style="width: 100%;"/>
Elective	3		12
	<hr style="width: 100%;"/>		<hr style="width: 100%;"/>
	15		

Total Required Semester Hours — 134

ASSOCIATE OF ARTS DEGREE

French

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
FRE 111 Elementary French or*		FRE 112 Elementary French or*	
FRE 211 Intermediate French**	3	FRE 212 Intermediate French **	3
HIS/HUM Elective	3	HIS/HUM Elective	3
	—		—
	16		16

SECOND YEAR

FRE 211 Intermediate French or*		FRE 212 Intermediate French or*	
FRE 311 Conversation and Phonetics ...	3	FRE 421 Advanced Grammar and Composition	3
FRE 321 French Civilization and Culture	3	FRE 323 Survey of French Literature II .	3
FRE 322 Survey of French Literature I ..	3	PHL Intro to Philosophy	3
Social Science Elective	3	Social Science Elective	3
Elective	3	Elective	3
	—		—
	15		15

*The student is able to initiate language study with French 211 Intermediate French if he has previously completed two years of the language in high school. If not, the student begins with French 111 Elementary French.

**The student beginning language study with French 211 Intermediate French moves into the specialized courses (French 311 Conversation and Phonetics) during his second year in pursuit of the degree.

Total Required Semester Hours — 62

TEACHING CURRICULUM

Minor in French

The following courses are required for a minor in French:

FRE 111-112 Elementary French	6 Sem Hrs
FRE 211-212 Intermediate French	6 Sem Hrs
FRE 311 French Conversation I	3 Sem Hrs
FRE 312 French Conversation and Composition	3 Sem Hrs
FRE 321 Civilization and Culture	3 Sem Hrs
FRE 340 Survey of French Literature	3 Sem Hrs

ASSOCIATE OF ARTS DEGREE
German

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
GER 111 Elementary German or GER 211 Intermediate German *	3	GER 112 Elementary German or GER 212 Intermediate German*	3
HIS/HUM Elective	3	HIS/HUM Elective	3
	<hr style="width: 100%; border: 0.5px solid black;"/>		<hr style="width: 100%; border: 0.5px solid black;"/>
	16		16

SECOND YEAR

GER 211 Intermediate German or GER 311 Advanced Conversation and Phonetics**	3	GER 212 Intermediate German or GER 421 Advanced Grammar and Composition**	3
GER 321 German Civilization and Culture	3	GER 322 Modern German Literature ...	3
GER 411 Survey of German Literature before 1900	3	GER 330 History of German Language ..	3
PHL 210 Intro to Philosophy	3	GER 412 Survey of German Literature since 1900	3
Social Science Elective	3	Social Science Elective	3
	<hr style="width: 100%; border: 0.5px solid black;"/>		<hr style="width: 100%; border: 0.5px solid black;"/>
	15		15

*The student is able to initiate language study with German 211 Intermediate German if he has previously completed two years of the language in high school. If not, the student begins with German 111 Elementary German.

**The student beginning language study with German 211 Intermediate German moves into specialized courses (GER 311 Conversation and Phonetics) during his second year in pursuit of the degree.

Total Required Semester Hours — 62

ASSOCIATE OF ARTS DEGREE
Spanish

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
SPA 111 Elementary Spanish or SPA 211 Intermediate Spanish*	3	SPA 112 Elementary Spanish or SPA 212 Intermediate Spanish*	3
HIS/HUM Elective	3	HIS/HUM Elective	3
	<hr style="width: 100%; border: 0.5px solid black;"/>		<hr style="width: 100%; border: 0.5px solid black;"/>
	16		16

SECOND YEAR

Social Science Elective	3	Social Science Elective	3
SPA 211 Intermediate Spanish or SPA 311 Spanish Conversation**	3	SPA 212 Intermediate Spanish or SPA 421 Advanced Grammar and Composition**	3
SPA 322 Survey of Spanish Literature ..	3	SPA 411 Survey of Spanish Literature II	3
PHL 210 Introduction to Philosophy	3	Elective	3
Electives	6		<hr style="width: 100%; border: 0.5px solid black;"/>
	<hr style="width: 100%; border: 0.5px solid black;"/>		<hr style="width: 100%; border: 0.5px solid black;"/>
	18		15

*The student is able to initiate study with Spanish 211 Intermediate Spanish if he has previously completed two years of the language in high school. If not, the student begins with Spanish 111 Elementary Spanish.

**The student beginning language study with Spanish 211 Intermediate Spanish moves into specialized courses (SPA 311 Spanish Conversation) during his second year in pursuit of the degree.

Total Required Semester Hours — 65

DEPARTMENT OF HISTORY

The Department offers three undergraduate degree programs to students desiring to major in history: (1) Social Science and History Major, Bachelor of Science Degree (Teaching Curriculum); (2) History Major, Bachelor of Arts Degree (Non-Teaching Curriculum); and (3) Associate of Arts, History Major. Each program is designed to afford the student a maximum amount of course selectivity. Each program is oriented to those undergraduates who are interested in developing a sense of identity with the past, inculcating in them the ability to analyze and communicate man's historical heritage, including those related forces affecting the institutions of man.

Through its three undergraduate degree programs, the Department of History strives to achieve the following specific objectives:

1. To challenge and stimulate student interest in history through the broadest possible curriculum.
2. To promote an attitude of serious intellectual inquiry and study into the various facets of history.
3. To develop student understanding of the nature of history and of the historian's task.
4. To prepare future historians and research specialists who are proficient in critical analysis techniques; as well as candidates for teaching history.
5. To prepare students for advanced and graduate work in history.

REQUIREMENTS

Specific course requirements for history majors are listed in the history curriculum of the student's choice.

In addition to these stated course requirements, a candidate for any degree in history must have an overall average of "C" or better and at least a "C" in history courses.

TEACHING CURRICULUM
Social Science and History Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	3	Natural Science Elective	3
HIS 115 World History	3	HIS 116 World History	3
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
	—		—
	14		15

SOPHOMORE YEAR

Social Science Elective	3	Social Science Elective	3
HIS 211 United States to 1865	3	HIS 212 United States since 1865	3
HUM 211 Humanities	3	HUM 212 Humanities	3
PHL 210 Philosophy	3	POL 210 American Government	3
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
	—		—
	15		15

JUNIOR YEAR

HIS 311 Modern European 1648-1815 ..	3	HIS 312 Modern European 1815-Present	3
EDU 310 Foundations of Education	3	EDU 331 Educational Psychology and Measurement	3
HIS Electives	3	HIS Electives	3
POL Elective	3	POL Elective	3
	—		—
	18		18

SENIOR YEAR

HIS 491 Senior Seminar — Problem in European History or		EDU 421 Principles of Secondary Education	3
HIS 421 Problems in American History .	3	EDU 351 Methods and Materials of Teaching Social Studies	3
Electives: History or other social sciences	9		—
EDU 340 Human Development	3		12
	—		—
	15		—

Note: Each student who plans to teach on the elementary or secondary level is required to file with the Teacher Education Committee an application for student teaching no later than the end of the junior year.

Total Required Semester Hours — 122

NON-TEACHING CURRICULUM
History Major, B.A. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
HIS 115 World History	3	HIS 116 World History	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Social Science Elective	3	Social Science Elective	3
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
Elective	3	POL 210 American Government	3
	—		—
	16		16

SOPHOMORE YEAR

Natural Science Elective	4	Natural Science Elective	4
HIS 211 U.S. History to 1865*	3	HIS 212 U.S. History since 1865*	3
ECO 211 Principles of Economics I	3	PHL 210 Philosophy	3
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
HIS Elective	3	HIS Elective	3
	—		—
	16		16

JUNIOR YEAR

HIS 311 European History 1648-1815**	3	HIS 312 European History since 1815**	3
HIS 341 U.S. Constitutional Law and History***	3	HIS 342 Civil Rights and the Constitution***	3
Electives	9	Electives	9
	—		—
	15		15

SENIOR YEAR

HIS 491 Senior Seminar — Problems in European History or HIS 421 Problems of American History*	3	Electives	15
Electives	12		—
	—		15
	15		

*Required for American History majors only (recommended for European majors)

**Required for European History majors only (recommended for American majors)

***Recommended for American History majors.

Total Required Semester Hours — 125

ASSOCIATE OF ARTS DEGREE
History

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
HIS 115 World History	3	HIS 116 World History	3
MAT 115 Intro to Contemporary MAT I	3	Social Science Elective	3
Social Science Elective	3	POL 210 American Government	3
Elective	3	HIS 211 U.S. History to 1865	3
	—	MAT 116 Intro to Contemporary MAT II	3
	15		—
			18

SECOND YEAR

Natural Science Elective	4	Natural Science Elective	4
HIS 212 U.S. History since 1865	3	PHL 210 Philosophy	3
Electives in History	6	Electives in History	6
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
	—		—
	16		16

Total Required Semester Hours — 65

DEPARTMENT OF MATHEMATICS

The Department of Mathematics offers two baccalaureate degrees in mathematics and one in computer science. It offers two Associate of Arts degrees; one in mathematics and one in computer science.

In consonance with the purpose of education, the objectives of instruction in mathematics are to assist students in:

1. Developing habits of thinking effectively, analytically, critically, and postulationally, thereby learning to reason by analogy and developing intellectual curiosity in mathematics especially, as well as other related disciplines.
2. Developing competence in the mathematical skills and understanding for the highest degree of completion of each unit of work in any given course.
3. Communicating by thought through symbolism and expressive mathematical forms in all facets of mathematics pursued by all students to the degree which the student has the ability to perform.
4. Developing the ability to distinguish between relevant and irrelevant data and the application of these data in order to make appropriate judgments through the discrimination of values.
5. Developing intellectual independence through study of those courses in mathematics which apply to the curriculum chosen.
6. Advancing culturally through a realization of the significance of mathematics as a discipline and in its relation to the total physical and social structure of the world.
7. Developing aesthetic appreciation and expression as a result of completing a course of study in mathematics.

TEACHING CURRICULUM
Mathematics Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I** or	3	MAT 116 Intro to Contemporary MAT II** or	3
MAT 119 Algebra and Trigonometry ...	4	MAT 212 Analytic Geometry and Calculus I	4
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
	—		—
	14 or 15		15 or 16

SOPHOMORE YEAR

MAT 321 Analytic Geometry and Calculus II	4	MAT 322 Analytic Geometry and Calculus III	4
Social Science Elective	3	Social Science Elective	3
PHY 211 Mechanics	4	PHY 212 Heat	4
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
MAT 211 Modern Geometry	3	Elective	3
	—		—
	17		17

JUNIOR YEAR

MAT 311 Modern Algebra I	3	MAT 312 Modern Algebra II	3
MAT 331 Differential Equations I	3	MAT 411 Advanced Calculus I	4
MAT 430 History of Mathematics	3	EDU 340 Human Development	3
EDU 310 Foundations of Education	3	Electives	6
EDU 331 Educational Psychology and Measurement	3		—
	—		16
	15		

SENIOR YEAR

MAT 421 Intro to Topology	3	EDU 351 Methods and Materials of Teaching Math	3
MAT 452 Intro to Theory of Real Variables	3	EDU 421 Principles of Secondary Education	3
MAT 460 Linear Algebra	3	EDU 412 Student Teaching	3
Electives	6	Elective	3
	—		—
	15		12

**Will not count toward a major.

Total Required Semester Hours — 121

NON-TEACHING CURRICULUM
Mathematics Major, B.A. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I or**	3	MAT 116 Intro to Contemporary MAT II** or	3
MAT 119 Algebra and Trigonometry ...	4	MAT 212 Analytic Geometry and Calculus I	4
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
—		—	
14 or 15		15 or 16	

SOPHOMORE YEAR

MAT 321 Analytic Geometry and Calculus II	4	MAT 322 Analytic Geometry and Calculus III	4
Social Science Elective	3	Social Science Elective	3
PHY 211 Mechanics	4	PHY 212 Heat	4
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
MAT 211 Modern Geometry	3	Elective	3
PHL 210 Intro to Philosophy	3	—	
—		17	
20			

JUNIOR YEAR

MAT 311 Modern Algebra I	3	MAT 312 Modern Algebra II	3
MAT 331 Differential Equations I	3	MAT 411 Advanced Calculus I	4
MAT 410 Probability and Statistics	4	MAT 332 Differential Equations II	3
Electives	6	MAT 442 Set Theory	3
—		Electives	3
16		—	
		16	

SENIOR YEAR

MAT 421 Intro to Topology	3	MAT 422 Intro to Topology II	3
MAT 451 Intro to Theory of Real Variables	3	MAT 452 Theory of Numbers	3
MAT 460 Linear Algebra	3	Electives	6
Electives	6	—	
—		12	
15			

**Will not count toward a major.

Total Required Semester Hours — 125

ASSOCIATE OF ARTS DEGREE
Mathematics

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I or**	3	MAT 116 Intro to Contemporary MAT II or**	3
MAT 119 Algebra and Trigonometry ...	4	MAT 212 Analytic Geometry and Calculus I	4
Natural Science Elective	4	MAT 211 Modern Geometry	3
Social Science Elective	3	Natural Science Elective	4
MAT 101 CS Computer Program Language I	3	Social Science Elective	3
	<hr/>		<hr/>
	16 or 17		16 or 17

SECOND YEAR

MAT 311 Modern Algebra I	3	MAT 312 Modern Algebra II	3
MAT 321 Analytic Geometry and Calculus II	4	MAT 322 Analytic Geometry and Calculus III	4
MAT 410 Probability and Statistics	4	MAT 430 History of Math	3
MAT 442 Set Theory	3	MAT 460 Linear Algebra	3
HIS/HUM Elective	3	HIS/HUM Elective	3
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
	<hr/>		<hr/>
	20		19

Total Required Semester Hours — 71

NON-TEACHING CURRICULUM
Mathematics/Computer Science Major, B.A. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I** or	3	MAT 116 Intro to Contemporary MAT II** or	3
MAT 119 Algebra and Trigonometry ...	4	MAT 212 Analytic Geometry and Calculus I	4
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
	—		—
	14 or 15		15 or 16

SOPHOMORE YEAR

MAT 321 Analytic Geometry and Calculus II	4	MAT 322 Analytic Geometry and Calculus II	4
Social Science Elective	3	Social Science Elective	3
PHY 211 Mechanics	4	PHY 212 Heat	4
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
MAT 101 CS Computer Program Language I	3	MAT 102 Basic Computer Organization and Assembly Language	3
PHL 210 Intro to Philosophy	3		—
	—		16
	20		

JUNIOR YEAR

MAT 311 Modern Algebra I	3	MAT 411 Advanced Calculus I	4
MAT 331 Differential Equations I	3	MAT 422 Set Theory	3
MAT 410 Probability and Statistics	4	MAT 203 CS Linear Programming	3
MAT 201 CS Computer Program Language II	3	MAT 302 CS Computer Organization and Logic	3
MAT 202 CS Intro to Numerical Methods	3	Elective	3
	—		—
	16		16

SENIOR YEAR

MAT 460 Linear Algebra	3	MAT 452 Theory of Numbers	3
Electives	12	MAT 402 CS Computer Application in Mathematics	3
	—	Electives	6
	15		—
			12

**will not count toward a major.

Total Required Semester Hours — 124

**ASSOCIATE OF ARTS DEGREE
Mathematics/Computer Science**

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I or	3	MAT 116 Intro to Contemporary MAT II or	3
MAT 119 Algebra and Trigonometry ...	4	MAT 120 Calculus for Business and and Social Science I	4
MAT 101 CS Computer Program Language I	3	MAT 201 CS Computer Program Language II	3
Natural Science Elective	4	MAT 202 CS Intro to Numerical Methods	3
Social Science Elective	3	MAT 202 CS Intro to Natural Science Elective	4
	—		—
	16 or 17		16 or 17

SECOND YEAR

MAT 102 CS Basic Computer Organization and Assembly Language	3	MAT 302 CS Computer Organization and Logic	3
MAT 105 CS Computer Operation	3	MAT 402 CS Computer Application in Mathematics	3
MAT 203 CS Linear Programming	3	HIS/HUM Elective	3
MAT 301 CS Business Computer Systems and Application	3	Social Science Elective	3
HIS/HUM Elective	3	ENG/ Foreign Language Elective	3
ENG/ Foreign Language Elective	3		—
	—		15
	18		

Total Required Semester Hours — 65 or 67

DEPARTMENT OF POLITICAL SCIENCE

The Political Science program offers both basic and advanced courses in the major areas of the discipline: (Area I) American Government and Politics (Area II), Comparative Government and International Relations, and (Area III) Political Theory. Degree programs combine the breadth and flexibility of a basic liberal arts education with the opportunity to concentrate in an area of specialization. Both two-year and four-year degree programs are available. The opportunity is also provided for the study of government and politics by students majoring in other fields.

The Department of Political Science has the following objectives:

1. To provide the educational background requisite to literacy and competency in contemporary society.
2. To develop an understanding of the fundamental facts and theories relating to government and politics.
3. To develop an attitude of serious intellectual inquiry together with the tools of critical analysis and systematic study.
4. To provide the professional training for careers in teaching and police science.

REQUIREMENTS

The Bachelor of Arts degree in political science is a four-year program requiring a total of 122 hours. In addition to the basic core subjects, thirty hours are required in political science. One course each should be from area I and area II and two courses from area III. Up to six hours of social science electives may be substituted for political science courses with the advisor's approval. An average of "C" is required overall and in the major in order to graduate in any Political Science Program.

The Associate of Arts degree in political science is a two-year program requiring from 62 to 65 hours (depending upon which mathematics or science option the student selects). Fifteen hours are required in political science, including American Government and at least one additional course each in area I and area II. One appropriate social science course may be substituted for one political science course with the advisor's approval.

The Bachelor of Science (teaching curriculum) degree in political science and history is one which requires 122 hours and is designed to prepare the student for certification to teach social studies courses in secondary schools. Students in this curriculum should coordinate their work closely with both the Political Science Department and the Division of Education not later than the end of the second year.

The Bachelor of Arts degree in political science with a police science concentration is a program which provides professional law enforcement training together with a sound liberal arts curriculum in political science. It requires 125 hours including 21 hours in police science and 21 hours in political science.

The Associate of Arts degree in police science is a two-year program comprising 71 hours. It provides for a complete training sequence in law enforcement courses, together with the basic supporting college courses.

TEACHING CURRICULUM

Political Science and History Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
Social Science Elective	3	Social Science Elective	3
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 101-108 Physical Education	1	HED 112 Health Education	2
	—		—
	17		18

SOPHOMORE YEAR

ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
HIS 115 World History I	3	HIS 116 World History II	3
HIS 211 United States History I	3	HIS 212 United States History II	3
Elective	3	Elective	3
POL 210 American Government	3	POL Area I Elective	3
	—		—
	15		15

JUNIOR YEAR

POL Area II Elective	3	POL 468 History of Political Theory I ..	3
HIS 311 History of Modern Europe	3	HIS 312 History of Modern Europe	3
ECO 211 Principles of Economics I	3	EDU 331 Educational Psychology	
EDU 310 Foundations of Education	3	and Measurement	3
EDU 340 Human Development	3	HIS or Social Science Electives	6
	—		—
	15		15

SENIOR YEAR

POL 469 History of Political Theory II	3	EDU 421 Principles of Secondary Education	3
HIS 491 Senior Seminar — Problems in European History or		Student Teaching	6
HIS 421 Senior Seminar *— Problems in American History	3	EDU 351 Methods and Materials of Teaching Social Studies	
HIS or Social Science Elective	9		—
	—		—
	15		17

See Course listings for courses included in each Political Science Area.

Total Required Semester Hours — 122

NON-TEACHING CURRICULUM

Political Science Major, B.A. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
HIS/HUM Elective	3	HIS/HUM Elective	3
PHL 210 Philosophy	3	POL 210 American Government	3
Elective	3	HED 112 Health Education	2
PED 101-108 Physical Education	1		—
	—		14
	16		

SOPHOMORE YEAR

ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
Natural Science Elective	4	Natural Science Elective	4
Social Science Elective	3	Social Science Elective	3
HIS 211 American History I	3	HIS 212 American History II	3
Elective	3	Elective	3
	—		—
	16		16

JUNIOR YEAR

POL Elective, Area I	3	POL Elective, Area II	3
POL Elective, any area	6	POL Elective, any area	6
Electives	6	Electives	6
	—		—
	15		15

SENIOR YEAR

POL Elective, Area III	3	POL Elective, Area III	3
POL Elective, any area	3	POL Elective, any area	3
Electives	9	Electives	9
	—		—
	15		15

A single course may not be used to fill more than one requirement. Electives should be selected in accordance with educational objectives and students should consult with advisor in making these choices. Up to six hours of social science electives may be substituted for political science electives with the advisor's approval. See course listings for courses included in each Political Science Area.

Total Required Semester Hours — 122

ASSOCIATE OF ARTS DEGREE
Political Science

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
POL 210 American Government	3	POL Area I Elective	3
Social Science Elective	3	Social Science Elective	3
Elective	3	Elective	3
PED 101-108 Physical Education	1	HED 112 Health Education	2
	—		—
	16		17

SECOND YEAR

POL Area II Elective	3	POL Elective	3
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
HIS/HUM Elective	3	Natural Science Elective	4
POL Elective	3	HIS/HUM Elective	3
Natural Science Elective	4		—
	—		13
	16		

A single course may not be used to fill more than one requirement.

See course listing for courses included in each Political Science Area.

Total Required Semester Hours — 62

NON-TEACHING CURRICULUM
Political Science
with a Police Science Concentration, B.A. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
HIS/HUM Elective	3	HIS/HUM Elective	3
Natural Science Elective	4	Natural Science Elective	4
SOC 210 Principles of Sociology	3	GGY 211 Geography	3
PED 101-108 Physical Education	1	HED 112 Health Education	2
	—		—
	17		18

SOPHOMORE YEAR

HIS 211 U.S. History to 1865	3	HIS 212 U.S. History since 1865	3
Social Science Elective	3	POL 210 American Government	3
CHE 102 Basic Photography	3	Social Science Elective	3
ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
Elective	3	Elective	3
	—		—
	15		15

JUNIOR YEAR

PSC 101 Intro to Law Enforcement	3	H/P 342 Civil Rights and the Constitution	3
PSC 220 Police Organization and Administration	3	SOC 320 Juvenile Delinquency	3
PSY 210 General Psychology	3	PSC 102 Criminal Law	3
HIS/POL 341 Constitutional Law and History	3	POL 468 History of Political Theory	3
PSC 205 Criminal Evidence	3	PSC 112 Highway Traffic Administration	3
	—		—
	15		15

2SENIOR YEAR

SPC 340 Public Speaking	3	POL 332 State and Local Government ..	3
PSC 210 Criminal Investigation	3	PSC 211 Intro to Criminalistics	3
POL 469 History of Political Theory ...	3	EDU 340 Human Development	3
POL Elective	3	POL Elective	3
Elective	3	Elective	3
	—		—
	15		15

See course listing for courses included in each Political Science Area.

Total Required Semester Hours — 125

ASSOCIATE OF ARTS DEGREE
Police Science

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
PSC 101 Intro to Law Enforcement	3	POL 210 American Government	3
HIS/HUM Elective	3	SOC 320 Juvenile Delinquency	3
Police Science Electives	6	HIS/HUM Elective	3
	—	Police Science Electives	6
	18		—
			18

SECOND YEAR

POL 332 State and Local Government ..	3	Natural Science Elective	4
Natural Science Elective	4	CHE 102 Basic Photography	3
EDU 340 Human Development	3	H/P 341 Constitutional Law or	
ENG/ Foreign Language Elective	3	H/P 342 Civil Rights	3
Social Science Elective	3	Police Science Elective	3
	—	Social Science Elective	3
	16	ENG/ Foreign Language Elective	3
			—
			19

ELECTIVES:

- PSC 102 Criminal Law
- PSC 112 Highway Traffic Administration
- PSC 205 Criminal Evidence
- PSC 210 Criminal Investigation
- PSC 211 Introduction to Criminalistics
- PSC 220 Police Organization and Administration
- PSC 250 Police Community Relations
- PSC 230 Crime Scene Technology

Total Required Semester Hours — 71

DEPARTMENT OF PSYCHOLOGY

The Fort Bragg Campus currently offers a variety of courses in psychology in support of other disciplines. Associate of Arts and Bachelor of Science degrees, as well as a minor in psychology is offered.

The Associate of Arts degree in psychology is awarded after successful completion of two years of college work with an emphasis in behavioral science. In addition to the General Education requirements, the student will complete nine hours of psychology above the introductory level. He will complete twelve additional hours of related electives, part of which may consist of further coursework in psychology. Eighteen (18) semester hours in Psychology constitutes a minor.

The Baccalaureate program in psychology will serve the student who wishes to complete a four-year program in the study of principles of individual behavior.

The objectives of this program are:

1. To prepare the student for employment with agencies which require this educational background.
2. To prepare the student for graduate study in psychology.
3. To introduce the student to certain methods and principles of scientific research in psychology.
4. To develop the student's ability to evaluate critically research findings in psychology and in other areas of science, through an appreciation of the multiple determination of events.

The curriculum includes courses emphasizing both the biological and the social aspects of individual functioning. The student may elect to pursue a degree in psychology without a minor, and thus broaden his background in other natural and social/behavioral sciences, or he may, with departmental approval, adjust certain of the following requirements to complete a minor in another department. Minors in biological science or a social/behavioral science are especially recommended. A minimum grade of "C" is required in all courses in psychology and including student who may minor in psychology.

NON-TEACHING CURRICULUM
Psychology Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
HIS/HUM Elective	3	HIS/HUM Elective	3
PSY 210 Intro to Psychology	3	PSY Elective	3
HED 112 Personal Hygiene	2	PED 101-108 Physical Education	1
	—	PHL 210 Philosophy or Elective	3
	14		—
			16

SOPHOMORE YEAR

ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
BIO 111 General Biology	4	BIO 112 General Biology	4
PSY Elective	3	PSY Elective	3
Social Science Elective	3	Social Science Elective	3
Elective	3	Elective	3
	—		—
	16		16

JUNIOR YEAR

SOC 332 Social Statistics	3	PSY 400 Historical and Conceptual Foundations of Psychology	3
PSY 215 Social Psychology or PSY 350 Industrial and Organizational Psychology	3	Social Science Electives	6
PSY 340 Human Development	3	ZOO Elective	4
ZOO Elective	4	Elective in ENG or HUM	3
Elective in ENG or HUM	3		—
	—		16
	16		

SENIOR YEAR

PSY 445 Experimental Psychology	4	PSY 320 Learning and Motivation	3
PSY 310 Personality and Adjustment or PSY 422 Abnormal Psychology and Behavior Disorders	3	Natural Science Elective	4
Natural Science Elective	4	Social Science Electives	6
Social Science Electives	6		—
	—		13
	17		

Total Required Semester Hours — 124

ASSOCIATE OF ARTS DEGREE
Psychology

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
HIS/HUM Elective	3	HIS/HUM Elective	3
PSY 210 Intro to Psychology	3	PSY Elective	3
HED 112 Personal Hygiene	2	PED 101-108 Physical Education	1
	—	PHL 210 Philosophy or Elective	3
	14		—
			16

SECOND YEAR

ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
BIO 111 General Biology	4	BIO 112 General Biology	4
PSY Elective	3	PSY Elective	3
Social Science Elective	3	Social Science Elective	3
Elective	3	Elective	3
	—		—
	16		16

Total Required Semester Hours — 62

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

The Department of Sociology offers three programs for majors. A student in the teaching program can obtain a major in social sciences and a concentration in sociology simultaneously. The teaching program leads to the Bachelor of Science degree. A major in sociology is provided in the non-teaching program; this four-year program leads to the Bachelor of Arts degree. Additionally, a two-year program is offered which leads to an Associate of Arts degree.

The objectives of the Department of Sociology and Anthropology are:

1. To acquaint students with the development of human society through a study of the sociological, historical, economic, political, and geographical (including human and physical) factors which shape society.
2. To prepare students for the teaching of the social sciences in the secondary school.
3. To prepare students for graduate work and related professional training.
4. To meet the needs of students who are interested in social work, government service, labor relations, industrial relations, and kindred careers.
5. To acquaint students with some of the basic tools and methods of the sociologist.

REQUIREMENTS

A minimum grade of "C" is required in all courses in sociology, history, political science, economics, and geography for their acceptance as part of the major or concentration requirements.

The teaching curriculum requires a minimum of twenty-four semester hours credit in sociology; twenty-four semester hours in American and world history; nine semester hours credit in economics; six semester hours credit in either geography or political science; and twelve semester hours credit in a modern foreign language, preferably French or Spanish.

The non-teaching Bachelor of Arts curriculum requires a minimum of thirty-six semester hours credit in sociology. A student must obtain eighteen additional hours of concentrated subject matter or electives in lieu of professional education courses.

For the Associate of Arts degree the student must successfully complete 60 semester hours and must have met the general and departmental requirements.

Elementary education majors can secure a concentration in sociology; elementary education majors who concentrate in sociology are required to take a minimum of eighteen semester hours credit in sociology.

TEACHING CURRICULUM
Social Science and Sociology Major, B.S. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
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	14		15

SOPHOMORE YEAR

ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
HIS 211 U.S. History before 1865	3	HIS 212 U.S. History since 1865	3
SOC 210 Principles of Sociology	3	Social Science Elective	3
Social Science Elective	3	Social Science Elective	3
Elective	3	Electives	6
	<hr style="width: 100%;"/>		<hr style="width: 100%;"/>
	15		15

JUNIOR YEAR

SOC 311 Culture and Personality	3	SOC 332 Social Statistics	3
SOC 320 Juvenile Delinquency	3	SOC 342 Minorities	3
EDU 310 Foundations of Education	3	SOC 352 Social Stratification	3
EDU 331 Educational Psychology and Measurement	3	EDU 340 Human Development	3
HIS 311 European History to 1815	3	HIS 312 European History since 1815 ...	3
HIS Electives	3	Elective	3
	<hr style="width: 100%;"/>		<hr style="width: 100%;"/>
	18		18

SENIOR YEAR

SOC 411 Social Research Methods	3	EDU 351 Methods and Materials of Teaching Social Sciences	3
ECO 421 Economic Problems	3	EDU 421 Principles of Secondary Education	3
SOC 431 Social Theory	3	EDU 412 Student Teaching	6
SOC Elective	3		
HIS Elective	3		
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	15		12

*Each student who plans to teach on the elementary or secondary level is required to file with Teacher Education Committee an application for student teaching no later than the end of the junior year.

Total Required Semester Hours — 122

NON-TEACHING CURRICULUM

Sociology Major, B.A. Degree

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 101-108 Physical Education	1	HED 112 Health Hygiene	2
	—		—
	14		15

SOPHOMORE YEAR

ENG/ Foreign Language Elective	3	ENG/ Foreign Language Elective	3
Electives	6	ANT 210 Intro to Anthropology	3
SOC 210 Principles of Sociology	3	PSY 210 General Psychology	3
Social Science Elective	3	Social Science Elective	3
HIS 211 United States History	3	HIS 212 United States History	3
	—		—
	18		15

JUNIOR YEAR

SOC 311 Culture and Personality	3	SOC 350 Community Organization	3
SOC 320 Juvenile Delinquency	3	SOC 352 Social Stratification	3
SOC 321 Principles of Social Work*	3	SOC 332 Statistics	3
Electives (Concentration)	6-9	SOC 342 Minorities	3
	—	Electives (Concentration)	6-9
	15 or 18		—
			15 or 18

SENIOR YEAR

SOC 411 Social Research Methods	3	SOC 452 Urban Sociology	3
SOC 431 Sociologic Theory	3	SOC 422 Collective Behavior	3
ECO 421 Economic Problems	3	SOC 442 Agency Laboratory Experiences or*	
SOC 421 Methods of Social Work*	3	SOC Elective or Concentration	9 -12
SOC Elective or Concentration	3		—
	15		15 or 18

*The student has the option of following the social work curriculum or continuing with his sociology electives and/or concentration.

PSY 215 - Social Psychology is encouraged for Sociology Major.

Total Required Semester Hours — 122

ASSOCIATE OF ARTS DEGREE
Sociology

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 115 Grammar and Composition ...	3	ENG 116 Composition and Literature ...	3
MAT 115 Intro to Contemporary MAT I	3	MAT 116 Intro to Contemporary MAT II	3
Natural Science Elective	4	Natural Science Elective	4
HIS 211 United States History	3	HIS 212 United States History	3
PED 101-108 Physical Education	1	HED 112 Personal Hygiene	2
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	14		15

SECOND YEAR

SOC 210 Principles of Sociology	3	HIS/HUM Elective	3
SOC 311 Culture and Personalitiy	3	SOC 332 Social Statistics	3
HIS/HUM Elective	3	SOC 320 Juvenile Delinquency	3
PSY 210 General Psychology	3	SOC 342 Minorities	3
ENG/ Foreign Language Elective	3	SOC 360 Social Problems	3
ANT 210 Intro to Anthropology	3	ENG/ Foreign Language Elective	3
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	18		18

Total Required Semester Hours — 65

COURSE DESCRIPTIONS

COURSES IN ART

- ART 111 Basic Design 2 Sem Hrs
This course gives an introduction to basic designs for art productions such as ceramics, sculpture, weaving, jewelry, block printing, and textile design.
- ART 112 Lettering and Poster Design 2 Sem Hrs
This course is designed for the art major or minor. Fundamentals of lettering and poster designing will be emphasized. Other displays such as bulletin boards, charts, and advertising lay-outs will be included.
- ART 210 Survey of Art 3 Sem Hrs
A general study of the visual arts in all aspects as used in modern times.
- ART 211 Introduction to Art History 3 Sem Hrs
(Formerly - Art History and Appreciation) A survey of visual arts from pre-history to the 20th century. The course includes lectures, slides, and museum visits.
- ART 212 Elementary Freehand Drawing 2 Sem Hrs
This course will give basic principles concerning freehand drawing with emphasis on self-expression, arrangement, composition, and the handling of a variety of paint media.
- ART 310 Creative Art Experiences for Young Children 2 Sem Hrs
Planning and organizing creative art work for children in kindergarten through third grade. Students will experience processes through the use of media to acquire an understanding of children's work. Individual and group studio experiences. Films and filmstrips are used.
- ART 311 Arts and Crafts 2 Sem Hrs
Emphasis will be placed upon activities for elementary school teachers. Simple sculptured forms, construction, printing, designing, 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 Drawing and Painting 2 Sem Hrs
This course gives practical work in simple composition — landscape, still life, and portrait drawing. Special emphasis is placed upon line, tone, texture, and color in objective and non-objective art.

- ART 361 African Negro Art 3 Sem Hrs
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.
- ART 362 Afro-American Art from 1800 3 Sem Hrs
A survey of the works of art by Black American artists. An investigation will be conducted on contemporary Black Art reflecting historical and environmental influences in subject matter used by the artists. Slides, lectures, discussion, museums and gallery visits.
- ART 411 Art in Childhood Education 3 Sem Hrs
This course includes problems in children's art, the nature of art for children, art for creative expression, and the correlation of art with other class subjects. It includes practical work in the making and teaching of simple projects to be used in the elementary school. Practical classroom teaching experiences will be provided.
- ART 412 Advanced Drawing and Painting 3 Sem Hrs
This course offers additional experience in handling such paint media as pastels, water color, and oils. A choice of subject matter is left with the student but landscapes, portraits, and still-life may be included. (For minors only).
- ART 450, 460, 470 — Studio (Intermediate or Advanced) 1-4 Sem Hrs. Credit with Instructors Permission
This course is designed for students who are preparing to do advanced work and who can work with a degree of independence. The work may be done in ceramics, sculpture, painting, design, graphics, pottery or photography.

COURSES IN THE BIOLOGICAL SCIENCES

- BIO 111-112 General Biology 8 Sem Hrs
A discussion and laboratory oriented course designed to give an understanding of basic biological concepts, and the methods of scientific inquiry, and first-hand involvement with the tools and skills of biology. The principal topics developed are The Nature of Science, The Cell, Evolution, Reproduction, Growth and Development, Genetics, Metabolism and Regulatory Mechanisms, Variety of Living Things, and Ecology. The Units are designed to admit special student concerns about the human body, birth control, prenatal influences, drugs, superstitions, and political and world issues concerning science. 2 hours Lecture and 4 hours Laboratory.
- ZOO 111-112 General Zoology 6 Sem Hrs
Morphology and functioning of the organ systems of the human body. Required for a major in physical education. *Prerequisite:* Biology 111-112.
- ZOO 211-212 Anatomy and Physiology 6 Sem Hrs
Morphology and functioning of the organ systems of the human body. Required for a major in physical education. *Prerequisite:* Biology 111-112.
- BOT 211 General Botany 3 Sem Hrs
Activities, structures, methods of reproduction, relationships and importance of major types of plant life. 2 hours Lecture and 2 hours Laboratory.
- ZOO 311-312 Comparative Anatomy 6 Sem Hrs
Comparison of the origin, development, and morphology of the major types of vertebrates. *Prerequisites:* Zoology 111-112 and General Chemistry. 2 hours Lecture and 2 hours Laboratory.
- ZOO 321 Vertebrate Physiology 3 Sem Hrs
A study of the functions and functional interrelationships of the organs and organ systems of vertebrates. *Prerequisites:* Zoology 111-112 and General Chemistry. 2 hours Lecture and 2 hours Laboratory.

- BOT 322 Bacteriology (Microbiology)** 3 Sem Hrs
An introduction to the reproduction, anatomy, physiology and ecology of fungi. *Prerequisites:* Two years of biology and one year of chemistry. 2 hours Lecture and 2 hours Laboratory.
- ZOO 410 Histology and Microtechniques** 3 Sem Hrs
A study of tissue structure of living organisms with theory and practice of preparing temporary and permanent histological mounts for microscopic study. *Prerequisite:* ZOO 321 - Vertebrate Physiology. 2 hours Lecture and 2 hours Laboratory.
- ZOO 411 Principles of Genetics** 3 Sem Hrs
Fundamental laws of heredity common to living organisms. *Prerequisite:* Two years of biology. 2 hours Lecture and 2 hours Laboratory.
- ZOO 420 General Entomology** 3 Sem Hrs
Anatomy, physiology, classification, and development of insects. *Prerequisite:* ZOO 111-112. 2 hours Lecture and 2 hours Laboratory.
- ZOO 420E Vertebrate Embryology** 3 Sem Hrs
The principles of morphological development of animals from the germ cell to the adult, with special reference to vertebrates. *Prerequisites:* Two years of biology and one year of chemistry. 2 hours Lecture and 2 hours Laboratory.
- ZOO 450 Introduction to Parasitology** 3 Sem Hrs
General principles of parasitology with some emphasis on physiological and morphological adaptations of parasites to hosts. *Prerequisite:* Two years of biology. 2 hours Lecture and 2 hours Laboratory.

COURSES IN BUSINESS ADMINISTRATION

- BAD 230 Business Organization and Management** 3 Sem Hrs
A study and analysis of the basic principles for organizing and financing all types of business enterprises. This course is designed to develop an appreciation of the place of business organization and management in our economic society with special emphasis on the role of the small business.
- BAD 231-232 Principles of Accounting I & II** 6 Sem Hrs
Familiarization with basic accounting concepts, principles, and theory including the preparation and analysis of financial statements and reports.
- BAD 311-312 Intermediate Accounting** 6 Sem Hrs
A continuation of the study of accounting principles with emphasis given to accounting for partnerships and corporations with analysis and interpretation of financial reports and statements. *Prerequisites:* BAD 231-232 Principles of Accounting I & II.
- BAD 441 Advanced Accounting** 3 Sem Hrs
A study of financial accounting principles as related to consignment sales, installment accounting, agency and branches, consolidation and fiduciary accounting. Tools, techniques, and procedures are strengthened for management decision-making. *Prerequisites:* BAD 311-312 Intermediate Accounting.
- BAD 322 Business Communications** 3 Sem Hrs
The application of correct, forceful English, organized thinking, and practical psychology in solving communication problems dealing with business.
- BAD 332 Business Statistics** 3 Sem Hrs
A study of the basic concepts of statistics as related to business and economics with emphasis upon the Principles and methods of collecting, arranging, analyzing, and presenting data for business purposes.

- BAD 342 Principles of Insurance** 3 Sem Hrs
A survey course of the principles, practices, and organizational structure of insurance with attention given to the various kinds of commercial insurance as fire, automobile, casualty, health and accident, and life insurance.
- BAD 352 Federal and State Income Taxes** 3 Sem Hrs
Accounting theory designed to provide the student with the necessary skills to make decisions concerning taxes as related to business enterprises and the individual. Emphasis is placed on helping the student develop creativity to cope with modern problems in taxes. Discussions are centered around income tax laws and practice in filling out forms. *Prerequisites:* BAD 231-232 Principles of Accounting I & II.
- BAD 357 Real Estate** 3 Sem Hrs
Presents 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.
- BAD 361 Salesmanship** 3 Sem Hrs
An introduction to selling. Emphasis is placed on the basic principles underlying the sales process and their application to the problems of salesmen.
- BAD 362 Managerial Accounting** 3 Sem Hrs
This course is designed to develop the approach to the determination of costs in manufacturing industries. The principles of procedures followed in the assembly and recording of material, labor, and manufacturing expenses are studied. Emphasis is placed on the types and forms of cost records in use. Methods of accumulating actual costs of specific orders and manufacturing processes are studied as well as the disposition of overhead. Specific emphasis is placed on providing the student with tools to make decisions. *Prerequisites:* BAD 231-232 Principles of Accounting I & II.
- BAD 363 Advertising** 3 Sem Hrs
Principles of advertising and a study of advertising media. Special problems of small business concerns will be discussed, including appropriations and planning. This course will acquaint the student with the development of advertising and its economic significance to the consumer and to the advertiser.
- BAD 400 Introduction to Data Processing** 3 Sem Hrs
Introduction to business data processing, programming, systems analysis, techniques and goals for data processing, and information retrieval; a combined theoretical and practical approach to data processing.
- BAD 411-412 Business Law I and II** 6 Sem Hrs
Acquaints the student with the origin, development, and classification of law and how these laws are applied to contracts, negotiable instruments, sales, insurance, partnerships, corporation, property, etc.
- BAD 414 Business Internship** 3 Sem Hrs
Experience in approved business positions; students participate in a seminar in which they formally evaluate their work experience. Program must be arranged in advance and approved by the coordinator. The course is not open to the student with credit from any other similar program in the institution.
- BAD 422 Office Management** 3 Sem Hrs
Principles of management applied to the business office. Organization, planning, and control of physical factors, methods and personnel practices.

- BAD 432 Personnel Management** 3 Sem Hrs
A study of personnel administration, its objectives, organization, functions, and role in the operation of business enterprises. Considers key problems in the areas of employee selection, hiring, and placement; training; wage and salary administration; promotion, transfer, and separation; and personnel services.
- BAD 433 Production Management** 3 Sem Hrs
Plant location and design; internal organization for operations, production planning and control, stores control, routing and handling of materials; quantitative approaches; operations research. *Prerequisites:* BAD 231-232 Principles of Accounting I & II.
- BAD 437 Investments** 3 Sem Hrs
Investment possibilities for the individual. Corporate and other securities as investments, the organization of the capital market, and the analysis and evaluation of securities. *Prerequisites:* BAD 231-232 Principles of Accounting I & II.
- BAD 442 Governmental and Public Accounting** 3 Sem Hrs
This course deals with principles of accounting as they are applied to municipalities, state, and nation. It provides an opportunity to study accounting problems in budgeting, purchasing, bond financing, and public utilities. *Prerequisites:* BAD 231-232 Principles of Accounting I & II.
- BAD 451 Principles of Finance** 3 Sem Hrs
A survey of the financial organization, structure, income, and policy of business enterprises. *Prerequisites:* ECO 211-212 Principles of Economics I & II.
- BAD 453 Corporation Finance** 3 Sem Hrs
A study of the growth of corporations, their promotion' incorporation' forms of corporate securities and reports; the problems involved in financial operation and consolidation; the position of corporation before the law; and state and federal control of corporations. *Prerequisites:* BAD 231-232 Principles of Accounting I & II.

COURSES IN ECONOMICS

- ECO 211 Principles of Economics I** 3 Sem Hrs
Student may begin sequence with either 211 or 212. An examination of the basic concepts and principles with stress on macro-economics and the application of theory to current problems.
- ECO 212 Principles of Economics II** 3 Sem Hrs
Student may begin sequence with either 211 or 212. An introduction to subject of economics with stress of macro-economics and its relevance to policy issues.
- ECO 311 Intermediate Economic Theory:
Prices, Production and Distribution** 3 Sem Hrs
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. *Prerequisite:* ECO 211 Principles of Economics I.
- ECO 312 Intermediate Economic Theory:
Aggregative Economics and Policy** 3 Sem Hrs
An in-depth study of theories of national income determination, employment, interest and fluctuations in aggregate economic activity. *Prerequisite:* ECO 211 Principles of Economics I.

- ECO 411 Marketing 3 Sem Hrs
A study of the principles of marketing; current practices and structure of the market; analysis of marketing functions, institutions, costs and marketing legislation. *Prerequisites:* ECO 211-212 Principles of Economics I and II.
- ECO 413 Economic History 3 Sem Hrs
An examination of the key factors and problems of economic development in the American economy since 1800. *Prerequisites:* ECO 311-312 Intermediate Economic Theory.
- ECO 414 History of Economic Thought 3 Sem Hrs
A chronological study of the evolution of economic ideas from Scholastics to Keynes.
- ECO 415 Econometrics 3 Sem Hrs
Introduction to econometric methods and their application to economic models. *Prerequisites:* SOC 332 Social Statistics, MAT 111-112 Introduction to Contemporary Mathematics I & II, ECO 311-312 Intermediate Economic Theory.
- ECO 421 Economic Problems 3 Sem Hrs
This course marks the culmination of undergraduate study of economics. It provides an opportunity to the student to use 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. *Prerequisite:* ECO 211 Principles of Economics I.
- ECO 423 Regional Economics 3 Sem Hrs
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.
- ECO 424 Urban Economics 3 Sem Hrs
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 Intermediate Economic Theory.
- ECO 425 Economic Development 3 Sem Hrs
An examination of the leading issues and theories of economic development and their relevance to developing countries. *Prerequisites:* ECO 211-212 Principles of Economics I and II.
- ECO 426 Interantional Trade and Policy 3 Sem Hrs
A survey of the theory of international trade, balance of payments, problems and politics and related issues of international monetary economics. *Prerequisites:* ECO 211-212 Principles of Economics I and II.
- ECO 427 Comparative Economic Systems 3 Sem Hrs
A study of the characteristics, functions and the working of various economic systems: capitalism, socialism and mixed economies. *Prerequisites:* ECO 211-212 Principles of Economics I and II.
- ECO 429 Public Finance 3 Sem Hrs
An analysis of the effects of public spending, borrowing and collection of revenues on economic system and evaluation of economic role of government. *Prerequisites:* ECO 211-212 Principles of Economics I and II.
- ECO 430 Managerial Economics 3 Sem Hrs
An in-depth study of managerial decision making process and its tools: Forecasting demand, cost estimates, pricing, linear programming and capital budgeting.

- ECO 432 Money, Banking and Financial Institutions 3 Sem Hrs
 Analysis of monetary mechanism in United States. Historical development of money and banking. Flow of funds among financial institutions and role of money in economic system. *Prerequisites:* ECO 211 Principles of Economics I.
- BAD/ECO 437 Investments 3 Sem Hrs
 A survey of portfolio models and theories. Factors affecting corporate and other securities as portfolio choice. The organization of capital market and the analysis and evaluation of securities.

COURSES IN EDUCATION

- EDU 310 Foundations of Education 3 Sem Hrs
 An overview of the historical, philosophical, and sociological foundations of education.
- EDU 331 (PSY 331) Educational Psychology and Measurements 3 Sem Hrs
 This course is designed to acquaint the student with the learning process and its relation to education. It emphasizes the principles necessary for successful classroom operation.
- EDU 340 (PSY 340) Human Development 3 Sem Hrs
 A survey of factors affecting psychological development from infancy through adult life, with emphasis on the years of most rapid change.
- EDU 351 Methods and Materials in Secondary School Subjects 3 Sem Hrs
 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 352 Foundations of Early Childhood Education 3 Sem Hrs
 A broad survey of the field of early childhood education which includes theories, philosophies, and historical development. Consideration is given to how early childhood education programs relate to child growth and development and social and cultural influences upon development of young children. The course emphasizes the application of learning theory to early childhood education and relationships between the parent, school, and community as they affect young children. The preparatory function of kindergarten and articulation between kindergarten and primary grades are considered.
- EDU 411 Teaching of Reading 3 Sem Hrs
 This course considers the principles, methods, procedures and materials dealing with the broad aspects of the reading program, ranging from readiness to diagnostic and remedial techniques. Attention is given to phonics, word recognition, vocabulary development, and silent and oral reading skills, with directed observation and participation.
- EDU 412S Student Teaching 6 Sem Hrs
 Student teaching is the culmination 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 teacher.

- EDU 420 Methods, Materials, Practices, and Observations**
in Early Childhood Education 6 Sem Hrs
An integrated methods course concerned with objectives, principles and practices of instruction, classroom management and procedure, selection and use of tools and materials, provision of worthwhile experiences, and selection, construction, and use of evaluation instruments suitable for early childhood education. Provides training in traditional and innovative techniques, including team teaching and nongraded procedures. Supervised experiences in public and college laboratory schools.
- EDU 421 Principles of Secondary Education** 3 Sem Hrs
This course is intended to provide the student with an understanding of the history, nature, and functions of the secondary school.
- EDU 430 Methods, Materials, Practices, and Observations**
in Intermediate Education 6 Sem Hrs
An integrated methods course concerned with meeting needs of children and youth in the intermediate grades. Includes objectives, principles, techniques of instruction, classroom management and procedure, selection and use of tools and materials, provision of worthwhile experiences, and selection, construction, and use of evaluation instruments suitable for intermediate education. Provides training in traditional and innovative techniques, including team teaching and nongraded procedures. Supervised experiences in public and college laboratory schools.
- EDU 431 Principles of Guidance** 3 Sem Hrs
This course is 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.
- EDU 451 Audio-Visual Education** 2 Sem Hrs
A survey of audio-visual materials and methods, with instruction in the classroom use of films, filmstrips, recording, radio field trips, slides, bulletin boards, and other visual aids. Experience in the operation of the various machines is provided.

COURSES IN ENGLISH

- ENG 115 Grammar and Composition** 3 Sem Hrs
This course is planned to help the student achieve excellence in the knowledge and skills necessary for the writing situations they will face most often in their lives as students, career people and contributive citizens by an intensive study and practice in the basic forms and principles of writing with attention to reading and interpretation, clarity and effectiveness in grammar and punctuation, sentences, paragraph, essays and outlining and the use of the dictionary and the library. The four classes in writing are included, but the emphasis is on expository writing, the mastery of research techniques and the writing of a research paper.
- ENG 116 Composition and Literature** 3 Sem Hrs
The broad purpose of this course is to provide the student opportunities to employ skills which he mastered in English 115, to acquaint the student with elements of three genre: drama, poetry and the short story; to train him in the better expression of his own ideas by emphasizing literary analysis and style. The student will write several short analytical papers and a research paper.
Prerequisite: ENG 115 Grammar and Composition.

English 115 and English 116 must be taken in proper sequence.

- ENG 211-212M World Literature 6 Sem Hrs
Emphasis is upon representative continental masterpieces from ancient times to the present, and the relation of literature to the other arts. Significant English and American works studied in the regular world literature course required of all students of the university are omitted here and additional European as well as certain selected modern African writers are included.
- ENG 220 Afro-American Literature 3 Sem Hrs
A historical and critical perspective of contributions to American fiction, poetry, drama, and non-fiction by black writers.
- ENG 222 The History of the English Language 3 Sem Hrs
A study of the history of the English language with special emphasis on the development of English inflections, sounds, changing meanings, syntax and usage.
- ENG 310 Folklore 3 Sem Hrs
Introduction to the forms of oral literature and folk tradition; folktale, legend, myth, folksong, proverb, riddle, custom and belief. Emphasis on aesthetic and social contexts.
- ENG 311-312 English Literature 6 Sem Hrs
A survey of the literature of England from Beowulf to the present. First semester: The Anglo-Saxon period through the eighteenth century. Second semester: The nineteenth and twentieth centuries. Both semesters are required of students specializing in English. Either course may be selected without the other by students having a concentration in English.
- ENG 320 Children's Literature 3 Sem Hrs
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 verses, folk-lore, myths, epics, and biographies.
- ENG 321-322 American Literature 6 Sem Hrs
A survey of the major writers of America from Colonial days to the present, the first semester ends with the Civil War. Either course may be elected without the other by students concentrating in English. Both semesters are required of those specializing in English.
- ENG 330 Advanced Grammar 3 Sem Hrs
A descriptive and analytical study of present-day grammar with emphasis on advanced work in organization style and various rhetorical methods.
- ENG 331 Advanced Composition 3 Sem Hrs
This course is designed for those who have an interest in improving their ability to think logically and write clearly.
- ENG 340 The Renaissance 3 Sem Hrs
A study of the prose and poetry of the representative authors of the Renaissance such as More, Elyot, Hooker, Ascham, Mulcaster, Sidney, Spenser, Greene, Daniel, Donne, Jonson, Hoby, Raleigh, Bacon, and non-dramatic works of Shakespeare together with representative plays of Marlowe, Dekker, and Johnson in relation to the conventions and background of the Renaissance.
- ENG 350 The Seventeenth Century 3 Sem Hrs
Selected readings with emphasis upon the metaphysical poets and Milton. Offered alternate years.
- ENG 360 Short Prose Fiction 3 Sem Hrs
Contemporary British and American Short Stories with considerable attention devoted to the development of the genre.

- ENG 370 Modern Poetry 3 Sem Hrs
An introductory course in which a wide variety of poetic styles with formal rather than chronological orientation will be included.
- ENG 380 Modern Drama 3 Sem Hrs
A study of continental, British and American drama from Ibsen to the present, with emphasis on social and literary values.
- ENG 400 Chaucer 3 Sem Hrs
A study of Chaucer's poetry considered in relation to his times. Selections studied are read in Middle English. Offered alternate years.
- ENG 410 Shakespeare 3 Sem Hrs
A study of selected comedies, histories, and tragedies to give a comprehensive view of Shakespeare's development and the scope and variety of his dramatic works.
- ENG 420 Milton 3 Sem Hrs
An intensive study of the major and minor works of poetry of Milton, and important selections of his prose in relation to the seventeenth century background.
- ENG 430 Eighteenth Century 3 Sem Hrs
Selected poetry, prose, criticism, and drama with emphasis upon Dryden, Swift, Pope, Otway, Congreve, Sheridan, Addison and Steele, and Dr. Johnson.
- ENG 440 English Novel 18th and 19th Centuries 3 Sem Hrs
A study of the background of the English novel from its beginnings to the end of the 19th century and an intensive analysis of the novel as an art form, and the social milieu in which it was produced.
- ENG 441 Modern English Novel 1900 - 1940 3 Sem Hrs
Representative works by major British novelists; Conrad, Joyce, Lawrence, Huxley, and Cary e.g.
- ENG 450 Romantic Prose and Poetry 3 Sem Hrs
Reading in the prose and poetry of Wordsworth, Coleridge, Byron, Keats and Shelley, with some attention to critical reactions to their works and to definitions of Romanticism.
- ENG 451 Victorian Prose and Poetry 3 Sem Hrs
Reading and analysis of the poetry, fiction, and criticism of English writers of the later nineteenth century.
- ENG 460 The American Novel 3 Sem Hrs
A study of the development of the American novel, with emphasis on selected major writers.
- ENG 470 American Romanticism 3 Sem Hrs
A study of the major American writers from 1825 to 1865. Three or four selected writers, themes or movements of the period: Thoreau, Melville, Hawthorne, Whitman, the Transcendentalists. Topics to be announced in the schedule of classes.
- ENG 471 American Realism and Naturalism 3 Sem Hrs
A study of major writers from 1865-1935. Three or four selected writers, themes or movements of the period. Dickinson, Twain, Howells, James, Frost, Hemingway, Faulkner, the lost generation, the fugitives. Topics to be announced in the schedule of classes.
- ENG 480 Modern American Novel 3 Sem Hrs
Readings and criticism of such important novelists as Dreiser, Fitzgerald, Steinbeck, Hemingway, Faulkner, Bellow and Baldwin.

- ENG 490 Senior Seminar 3 Sem Hrs
A study of the contribution of major literary critics from the classical period to the present, with emphasis upon their interpretations and techniques. Students will write a series of short critical papers applying the methods of criticism studied.
- ENG 110P English Grammar 3 Sem Hrs
This course is designed to improve the student's knowledge and effective use of the English language, to prepare him adequately for college level English, and to equip him with skills essential to satisfactory completion of college level courses in general. Especially beneficial to those students who have been removed from the academic world for a considerable length of time, or to those who desire to improve upon skills acquired in high school. Emphasis is placed on grammar, spelling, punctuation, capitalization, structuring of sentences and paragraphs. Other important skills will also be stressed, such as effective techniques of studying, use of dictionaries, reference sources, and the library. Classroom instruction and individual conferences with instructors and assistants.
- ENG 111P English Composition 3 Sem Hrs
Continuation of English Grammar. This course will review the basic skills of spelling, punctuation, capitalization, sentence structure, and study techniques. It will assist the student in organizing and developing his ideas in logical order, in improving his style and expression through the use of effective sentences and paragraphs, and through the planning and writing of themes. Classroom instruction and individual conferences with instructors and assistants.
- ENG 112P Reading Improvement 3 Sem Hrs
Emphasis is placed upon enabling the student to improve his reading comprehension and reading speed, and to increase the flexibility of his reading speed, and to increase the flexibility of his reading capabilities by adjusting his reading style to the particular subject matter. The student will be guided to gain insight into the organization and development of materials, to observe methods used by skilled writers, and to build his reading vocabulary.

COURSES IN FRENCH

- FRE 111-112 Elementary French 6 Sem Hrs
The course is designed to develop the basic communicative skills; comprehension, speaking, reading and writing. Regular laboratory practice.
- FRE 111-112H Elementary French 6 Sem Hrs
This is an honors 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 the skills of comprehension, speaking, reading, and writing. Regular laboratory practice.
- FRE 211-212 Intermediate French 6 Sem Hrs
This course will continue 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. Language laboratory practice. *Prerequisite:* FRE 112 or placement examination.
- FRE 311 French Conversation I 3 Sem Hrs
A course designed to develop greater oral proficiency. *Prerequisite:* FRE 212.
- FRE 312 French Conversation & Composition 3 Sem Hrs
A continuation of the development of the skill in oral expression with practice and study in the correct writing of the language. Phonetics, intonation, dictation, and vocabulary building will be included. *Prerequisite:* FRE 311.

- FRE 321 French Civilization and Culture 3 Sem Hrs
A study of the civilization, culture and history with attention given to the life, customs, philosophy, art, music, and general cultural patterns of the people. *Prerequisite:* FRE 212.
- FRE 322 Survey of French Literature I 3 Sem Hrs
The course is a comprehensive study of the most representative French authors and their works from earliest times to 1800. *Prerequisite:* FRE 321.
- FRE 323 Survey of French Literature II 3 Sem Hrs
A continuation of the survey of French literature with studies of the nineteenth and twentieth centuries. *Prerequisite:* FRE 321.
- FRE 340 Survey of French Literature 3 Sem Hrs
A study of the masterpieces of French literature from the earliest times through the contemporary period. *Prerequisite:* FRE 321.
- FRE 411 17th Century French Literature 3 Sem Hrs
A comprehensive study of French classicism with a study of the literary masterpieces of the 17th century. Special emphasis on explication de texte. Conducted in French. *Prerequisite:* FRE 322.
- FRE 412 The French Novel 3 Sem Hrs
A comprehensive study of the romantic realistic, and naturalistic novel in the nineteenth century: Hugo, Dumas, San, Balzac Stendahl, Flaubert, Daudet, and Maupassant. *Prerequisite:* FRE 323.
- FRE 421 Advanced Grammar and Composition 3 Sem Hrs
A thorough study of grammar and syntax with free composition in French. *Prerequisite:* FRE 212.

COURSES IN GEOGRAPHY

- GGY 211 Principles of Geography 3 Sem Hrs
Consideration is given to some elements of earth sciences, the geographic relationships, and a general survey of the interaction between man and his physical environment.
- GGY 212 Regional Geography 3 Sem Hrs
This course deals with the geography of the world by regions. A study is made of the meaning of regions and the basic geographic relationship within the major regions of the world. A detailed analysis is made of selected regions.
- GGY 311 Economic Geography 3 Sem Hrs
A geographic analysis of the distribution of man's economic activities with emphasis on present day patterns and trends of production, distribution, and utilization of the world's major commodities.
- GGY 312 Geography of Anglo-America 3 Sem Hrs
A study of the physical and cultural landscapes of North America north of the Rio Grande. Emphasis is given to the relationships that exist between the natural environment and the human activities in each of the geographic regions of the United States and Canada.
- GGY 313 Regional Geography of Africa 3 Sem Hrs
This course deals with the continent of Africa as a whole and the regional description of its countries and regions as well as the current problems and developments. This course is suggested 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 other continent.

- GGY 314 Regional Geography of the South 3 Sem Hrs
 This course is designed to present an analytical description of the present-day Southern United States. Consideration is given to the study of its physical, historical, economic, and cultural environment. This course is suggested 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 of the United States of America.

COURSES IN GERMAN

- GER 111-112 Elementary German 6 Sem Hrs
 Introduction to the basic grammar, sentence patterns, vocabulary, and idiomatic expressions of the German language. Emphasis is placed upon correct pronunciation, intonation, and comprehension of the language, as well as its effective utilization in oral and written form by means of classroom drills, written exercises and assignments, simple conversation based on reading passages, and individual and supervised practice in the language lab.
- GER 211-212 Intermediate German 6 Sem Hrs
 Review of the fundamentals of German grammar; introduction to the more complex aspects of German grammar and syntax frequently encountered in German literature and scientific texts; use of graded reading tests. The courses are designed to reinforce the student's understanding of the structure of the German language, to increase his knowledge of German vocabulary and idioms, and to enable him to develop reading facility and self-expression. In conjunction with individual and supervised practice in the language laboratory. *Prerequisite:* German 112 or placement examination.
- GER 311 Advanced Conversation and Phonetics 3 Sem Hrs
 This course will guide the student toward a more coordinated, liberated expression in German, through insight into the grammatical principles underlying the patterns he imitates, mastery of a practical vocabulary, feeling for speech rhythm, and familiarity with German word order. Introduction to the symbols adopted by the International Phonetic Association; transcription and pronunciation exercises. *Prerequisite:* German 212.
- GER 321 German Civilization 3 Sem Hrs
 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 with some insight into the cultural development of the German people with reference to their history, music, art, literature, and science through the ages. Supplemented by instructor's lectures and students' parallel reading and reports. *Prerequisite:* German 212.
- GER 322 Modern German Literature 3 Sem Hrs
 Selections from modern German prose, drama and poetry will be read and discussed. Supplemented by lectures on main trends and major authors of modern German literature; parallel reading and reports. *Prerequisite:* German 212.
- GER 330 History of the German Language 3 Sem Hrs
 A presentation of the development of sounds from Indo-European to New High German, and of the political, social, and literary forces which influenced this development of the German language. *Prerequisite:* German 311.
- GER 411 Survey of German Literature, Origins to 1900 3 Sem Hrs
Prerequisite: Consent of the Instructor or three hours of 300 level work.
- GER 412 Survey of German Literature, 1900 to Present 3 Sem Hrs
Prerequisite: Consent of the Instructor or three hours of 300 level work.

- GE 421 Advanced Grammar 3 Sem Hrs
Advanced study of German grammar, emphasizing modern written and conversational German, including, however, poetic or archaic forms to equip the advanced student with greater reading flexibility. Review of word formation, punctuation, spelling, and capitalization. *Prerequisite:* German 212.
- GER 422 Stylistics 3 Sem Hrs
The purpose of this course is to further the student's capabilities for precise self-expression. The course includes study and analysis of the various stylistic levels of the language, introduction to stylistic devices, review of syntax and various parts of speech and their effect on style, exercises with synonyms and antonyms, and guided compositions. *Prerequisite:* German 421.
- GER 423 Special Topics 3 Sem Hrs
On demand. Detailed investigations of special topics in language or literature, depending of students' needs and requests. In consultation with the faculty and coordinator of the Modern Foreign Language Department.

COURSES IN POLITICAL SCIENCE

Area I — American Government and Politics

- POL 210 Principles of American Government 3 Sem Hrs
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/HIS 310 Contemporary Afro-American Politics 3 Sem Hrs
Selected issues of Black history in America, with emphasis on contemporary political organizations and activities of Afro-Americans.
- POL 311 Political Parties and Pressure Groups 3 Sem Hrs
History, structure, and functions of American political parties and pressure groups; their relationship to democratic government; their techniques of political propaganda.
- POL 312 The Legislative Process 3 Sem Hrs
Evolution, structure, functioning, and dynamics of American legislative institutions, and of the relations between the legislative, the executive, the judiciary, and outside groups in law-making process.
- GOV 313U State and Local Governments 3 Sem Hrs
Examination of the framework of state and local governments in the United States and evaluation of their contributions to the federal system.
- POL 314U Social Legislation 3 Sem Hrs
An examination of need and process as well as the record of social legislation with respect to social welfare and social services.
- POL 315U Politics and Urban Planning 3 Sem Hrs
A study of approaches to urban planning, the need, process, and limitations with respect to political realities in the nation, state and community.
- POL 410 Public Opinion and Propaganda 3 Sem Hrs
This course will focus 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 the use of propaganda, mass media and communications.
- GOV 415 The American Chief Executive 3 Sem Hrs
The origin, background, and evolution of the Office of President of the United States; his powers in the areas of politics, administration, legislation, and foreign affairs.
- POL 210 is prerequisite to all other courses.

- POL 331 Principles of Public Administration 3 Sem Hrs
A study of basic concepts of administration; the growth of administration as an art and science; the relation of administration to the political progress; administrative organization and process; the political power of bureaucracies; the responsibilities of public servants.
- POL/HIS 341 Constitutional Law and History 3 Sem Hrs
Basic principles of the constitutional system, with particular emphasis upon cases that deal with the framework of American federal system.
- POL/HIS 342 Civil Rights and the Constitution 3 Sem Hrs
A case study of constitutional principles and their application affecting individual Civil Rights.
- POL 416 American Foreign Policy 3 Sem Hrs
Forces and factors involved in American Foreign policy decision-making; criteria for assessing the effectiveness of foreign policies.
- POL 450U Administration of Urban Government 3 Sem Hrs
The study of the organization and management characteristics of various types of government entities in urban area including municipal, county governments and other special districts.
- Area II — Comparative Government
- POL 321 Comparative Government (Europe) 3 Sem Hrs
A comparative analysis of the organization, functioning, and process of governments and politics in the Soviet Union and selected European nations.
- POL 322 Government and Politics of Asia 3 Sem Hrs
An analysis of the organization, functioning, and process of governments and politics in China, India, Japan, and other Asian nations.
- POL 323 Government and Politics of Africa 3 Sem Hrs
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/HIS 420 Political History of Contemporary China 3 Sem Hrs
Political developments in China from the Revolution of 1911 to the consolidation of power by Mao Tse-tung in the 1960's.
- POL 451 International Organization 3 Sem Hrs
Basic concepts, historical background, evolution, and functioning of international governmental and administrative systems, with primary focus on the United Nations.
- POL 452 International Law 3 Sem Hrs
Rules and practices governing nations in peace and war; the nature, sources, evolution, and functioning of various schools of international law; principal law-making and adjudicatory agencies; international personality; treaties, jurisdiction over person and place; diplomatic and consular intercourses; pacific settlement; war and neutrality.
- POL 453 International Politics 3 Sem Hrs
The interplay of political forces in the international community, with emphasis on war-time diplomacy, peace treaties, the alignment and conflicts of nations in the post-war period.
- Area III — The Theory, Scope, and Method of Political Science
- POL/HIS 462 Modern Ideologies 3 Sem Hrs
Study and comparison of the principal modern ideologies: capitalism, communism, fascism, socialism.

- POL 461 American Political Ideas 3 Sem Hrs
The political ideas of leading American statesmen and publicists, and their influence upon American governmental systems.
- POL 468-469 History of Political Theory 3 Sem Hrs
Political Theories and their practical application from ancient Greece to the present. The basic approach is historical. The course seeks to relate political theories to environments and worthy traditions.
- POL 470 Research Seminar: Scope & Method
of Government 3 Sem Hrs
Practical training in writing techniques and research in the field of government, with particular attention given to bibliographical materials, footnotes, use of law library facilities and government documents.
- POL 475 Senior Seminar 3 Sem Hrs
Focus on the student's intensive independent work on selected topics; preparation and presentation of assigned topic for criticism. (Area will depend upon topic.)
- POL 499 Advanced Reading and Research 3 Sem Hrs
Permission of chairman. Supervised reading and research in areas of special interest under supervision of designated instructor. (Area will depend upon topic.)

COURSES IN HEALTH EDUCATION, PHYSICAL EDUCATION AND RECREATION

- HED 112 Personal Hygiene 2 Sem Hrs
The several aspects of personal hygiene emphasizing the organic system — normal and abnormal, and the conditions pertaining thereto together with the rules of personal health which make for effective living.
- HED 300 Healthful Family and School Living 3 Sem Hrs
This course aims to acquaint the student with the important individual family and community factors essential to healthful living and explores the total school health program.
- HED 321 Health in Early Childhood Education 3 Sem Hrs
Emphasis is given to class organization, principles, and practices associated with health education at the kindergarten through third grade level.
- HED 322 Health Education in the
Intermediate Grades 3 Sem Hrs
This course is designed to give study to the fundamental principles upon which health is based. Methods and materials of teaching health in the intermediate grades are studied along with health texts, pamphlets and charts appropriate to varying age levels. Preparation for student teaching in this field is accomplished.
- HED 411 Administration of Public
Health Services 2 Sem Hrs
A study of the organization, administration and management of public health organization with emphasis on the various social, cultural and economic factors that determine current policies and practices in the field.
- HED 421 Principles, Practices, and Procedures
in Health Education 3 Sem Hrs
This course is designed to give study to the fundamental principles upon which

health is based. Materials and methods of teaching health to elementary school children are studied along with health texts. Pamphlets and charts appropriate to varying age levels are used. Preparation for student teaching in this field is accomplished.

- PED 000 Swimming 0 Sem Hrs
For those entering PEM who do not pass the classification test. This course will bring the student up to the advanced beginners level of the American Red Cross Program.
- PED 100 Individual Physical Education Activities 1 Sem Hr
Special activities designed for students with physical disabilities or whose examinations show that they are unable to participate in a regular or vigorous physical education class.
- PED 101 Swimming (Co-ed) 1 Sem Hr
Designed to develop fundamental skills of swimming.
- PED 102 Dance 1 Sem Hr
Beginning skills in dance.
- PED 103 Trampoline 1 Sem Hr
Techniques and skills in performance on trampoline.
- PED 104 Golf 1 Sem Hr
Designed to develop skills in golf.
- PED 105 Tennis and Badminton 1 Sem Hr
Designed to develop skills and techniques in tennis and badminton.
- PED 106 Archery and Table Tennis 1 Sem Hr
Designed to develop skills and techniques in archery and table tennis.
- PED 107 Volleyball (Women) 1 Sem Hr
Designed to develop skills and techniques in volleyball.
- PED 108 Volleyball (Men) 1 Sem Hr
Designed to develop skills and techniques in volleyball.
- PED 109 Bowling 1 Sem Hr
This course is designed to develop knowledge of the rules, performance skills and techniques in beginning students in the sport of bowling.
- PED 110 Softball 1 Sem Hr
To teach the rules and skills, offense and playing strategies of softball.
- PED 131 Theory of Physical Education 3 Sem Hrs
Required of physical education majors during the first semester of freshman year. An overview of the field of Health, Physical Education, and Recreation, regarding the profession, curriculum and employment opportunities.
- PED 141 Soccer, Speedball, Volleyball (W)
Touch and Flag Football, Soccer, Gymnastics (M) 2 Sem Hrs
This majors' course is designed to teach skills and techniques of soccer, speedball and volleyball for women; and touch and flag football, soccer and gymnastics for men.
- PED 142 Basketball, Track & Field
Softball (W) (M) 2 Sem Hrs
A majors' course designed to teach the theory and skills of basketball, track and field, and softball.
- PED 200 Swimming I (Formerly PED 122) 1 Sem Hr
This course will advance the student to the swimming level of the American

Red Cross Program which includes a fully coordinated elementary backstroke, crawl, side, and breast stroke with open turns, surface turns diving, and underwater swimming, swimming on the back with legs only, and an introduction to diving. *Prerequisite:* Advanced, beginner level in American Red Cross Program.

- PED 201 Swimming II (Formerly PED 222)** 1 Sem Hr
 This course will move the student to the advanced level of the American Red Cross Program exclusive of the life-saving requirements. This would include a fully coordinated back crawl, inverted, overarm sidestroke, trudgen, and trudgen dives in a pike and layout position, back dive in a layout position and the front and back flips. *Prerequisite:* PED 200.
- PED 202 Life Saving and Archery** 1 Sem Hr
 (Formerly PED 362 & 232A)
 Life saving will cover 12 weeks of this course including both the American Red Cross and YMCA techniques. These will include self-rescue, assist in and out of water, boat and corrol rescue, and personal contact defences and rescues. The six weeks archery course is designed to teach the skills of aiming, drawing release, follow through, in addition to rules and safety features. *Prerequisite:* PED 201.
- PED 203 Water Safety Instruction** 1 Sem Hr
 (Formerly PED 472)
 A course that reviews all swimming and life-saving techniques and prepares the student to teach these skills. *Prerequisite:* 200, 201 & 202.
- PED 206 Softball, Baseball, Gymnastics II** 1 Sem Hr
 (Formerly PED 142 & 272G)
 Softball for women and baseball for men will be covered in the first nine weeks separately and will include such skills as throwing, catching, fielding a ground ball and a fly ball, hitting, bunting, infield play, and base running. Gymnastics II will be taught coeducationally and be a contriconnection of Gymnastics I with advanced apparatus work. Gymnastics II will cover the last nine weeks.
- PED 207 Field Hockey, Wrestling, Volleyball** 1 Sem Hr
 (Formerly PED 241 & 141 WYO)
 Field Hockey for women and wrestling for men will be covered independently for the first nine weeks. Field hockey will cover such skills as dribbling, stick holding, passing, teamwork and safety features. Wrestling skills to be taught would be starting positions, take downs, reversells, pinning holds, escapes, and the rules of wrestling. The last nine weeks of volleyball will be taught coeducationally covering such skills as serving, passing, setting, spiking, net recovery, defense, scoring and teamwork.
- PED 209 Rhythms and Basketball** 1 Sem Hr
 (Formerly PED 361 & 142BK)
 The first twelve weeks will be devoted to the basic movements in rhythms. This will cover the skills and techniques of basketball such as dribbling, passing, shooting, some offense and defense.
- PED 210 Track and Dance I** 1 Sem Hr
 (Formerly PED 142 & 422)
 Track skills to be learned would include starting, striding, pacing, and certain field events. Dance I will include the basic techniques and steps leading to the development of various styles of dance. *Prerequisite:* PED 209.

- PED 211 Dance II (Formerly PED 242) and Tennis I 1 Sem Hr
Dance II will utilize the skills learned in PED 210 and move into Folk and square types of dance. Additional styles will be taught as time allows. Tennis will cover the basic strokes, such as serve, forehand, backhand, overhead smash, volley, half volley and strategy such as baseline, net and partner play. *Prerequisite:* PED 209-210.
- PED 213 Theory and Practice in Elementary PED 3 Sem Hrs
(Formerly PED 423)
This course is designed to expose the PEM and Elementary Education Majors to the use of physical activities in the total development of the elementary age student (4-6). Characteristics of this age group, activities to satisfy the growth, methods and materials of presenting activities to this age group are areas of importance to be covered in this course. Areas of concentration will include movement education rhythms, mimetics, relays, combatives, self-teasing activities, games of low organization, and singing games. Besides on campus learning the student will gain actual experience in elementary schools.
- PED 215 Football, Speedball, Gymnastics I 1 Sem Hr
(Formerly PED 141)
Flag football for men and speedball for women will be covered in the first six weeks where each group will learn the skills and techniques of their respective sport. Gymnastics I will be taught coeducationally for twelve weeks and will be covering beginning skills in tumbling and some apparatus work.
- PED 219 Modern Dance and Secondary Games 1 Sem Hr
(Formerly PED 482 & 241)
Modern Dance will include methods of moving and expressing one's self to music. Secondary games will include activities other than those already mentioned in this catalog. Such activities might be flicker ball, angle ball, rugby, lacrosse hockey, or team handball. *Prerequisite:* PED 209.
- PED 211 History and Principles of Physical Education and Curriculum 3 Sem Hrs
This course is concerned with the understanding and interpretation of the principles of the modern physical education program. Contribution of historical programs related to the development of the present-day program are studied and evaluated.
- PED 321 Physical Education in Early Childhood Education 3 Sem Hrs
This course offers materials used for teaching physical education activities and development of programs for children from kindergarten through the third grade.
- PED 322 Physical Education in the Intermediate Grades 3 Sem Hrs
This course describes the best teaching methods for growth and development of children in the intermediate grades, with participation in 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.
- PED 331 Kinesiology 3 Sem Hrs
This is a general introductory course dealing with the application of the science of kinesiology as it is made in analysis of movements and fundamentals of successful performance.

- PED 341 Teaching of Soccer, Speedball, Field Hockey and Basketball (W) 2 Sem Hrs
 Methods of organizing, administering, coaching and officiating of soccer, speedball, field hockey and basketball.
- PED 342 Teaching of Track and Field, Softball, Volleyball (W) 2 Sem Hrs
 Methods of organizing, administering, coaching and officiating of track and field, softball, and volleyball.
- PED 351 Coaching of Football and Basketball (M) 2 Sem Hrs
 Methods of organizing, administering, coaching and officiating of football and basketball.
- PED 352 Coaching of Baseball and Track (M) 2 Sem Hrs
 Methods of organizing, administering, coaching and officiating of football and basketball.
- PED 372 First Aid, Safety Education, Athletic Injuries 3 Sem Hrs
 This course is designed to teach the underlying principles and applied techniques of first aid, safety in public schools, applied techniques in injuries, bandaging, taping and massage.
- PED 411 Organization and Administration of Health and Physical Education 3 Sem Hrs
 The philosophy and methodology of the organization and administration of the physical education aspect of a complete school health and physical education program.
- PED 412 Community Recreation 3 Sem Hrs
 A course in the study of the profitable use of leisure time — hobbies, activities, and games suitable for children as well as adults.
- PED 421 Measurement and Evaluation in Health and Physical Education 3 Sem Hrs
 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 Adapted Physical Education 2 Sem Hrs
 Study of problems relating to body mechanics and needs of the physically handicapped students.
- PED 432 Principles, Practices, and Procedures in Physical Education 3 Sem Hrs
 A study of the problems of physical education with participation in games, calisthenics, plays, pageants and other activities appropriate to the elementary school level. Students are encouraged to make collections of materials which may be useful in their own teaching.
- PED 442 Fundamentals and Teaching of Dance 2 Sem Hrs
 This course includes folk, square, tap, and modern dances. Materials included which serve as a fundamental of dance movement in relation to music; mixers, rounds and creative composition; and dances that are peculiar to foreign countries.
- PED 452 The Intramural Sports Program 2 Sem Hrs
 Organization and administration of the intramural sports program at the public school and collegiate levels.

- PED 462 Physiology of Exercise 3 Sem Hrs
A study of the immediate and lasting effects of physical exercise on the physical and chemical processes of the human body.
- REC 201 Introduction to Recreation 2 Sem Hrs
This course is designed to develop a better understanding of the modern concept of recreation and the recreation movement. It presents recreation as an outlet for expression of basic human desires grounded in the physiological and psychological needs of people. It calls attention to the broad range of recreational pursuits, which gives people opportunities for satisfying expression. Finally it attempts to develop an understanding of the pressing need for more effective recreational services in communities throughout the land.
- REC 202 Recreational Leadership 2 Sem Hrs
(A Sophomore level course, designed to develop, within the student, a readiness for independent leadership). Practice in methods of teaching and leading children and youth, as individuals or groups, in games, handicraft, and nature study activities, so that they can develop meaningful and satisfying skills or leisure techniques, or depend on their own resources in filling their leisure with worthwhile interests and activities toward enjoying enriched living.
- REC 312 Organization and Administration in
Community Recreation 3 Sem Hrs
Problems of administration and conduct of recreation programs.
- REC 313 Leadership in Supervised Recreation 3 Sem Hrs
(A Junior level course). Observation and practice with community or YMCA-YWCA recreation groups — to develop an understanding of effective supervision of 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 411 Recreational Practice (Internship) 3 Sem Hrs
This on-the-job training which provides opportunity for practical experience in actual recreational situations in the community.
- REC 422 Camping 2 Sem Hrs
Problems of administration and conduct of camps and development of suitable programs of activities.

COURSES IN HISTORY

- HIS 115-116 World History 3 Sem Hrs
A survey history of major civilizations from their ancient beginnings through modern eras. The evolution of significant political, economic, social, cultural and scientific ideas and institutions is stressed, to include interrelationships between European and other civilizations. The first semester covers to 1500, the second semester since that date.
- HIS 211 The United States to 1865 3 Sem Hrs
A basic examination of the social, economic, political, and ideological forces shaping American society and institutions from the early colonial period to the end of the Civil War.
- HIS 212 The United States Since 1865 3 Sem Hrs
A continuing survey of the forces shaping American society and institutions from the Reconstruction Era to the present.

- HIS 311 Modern European History, 1648-1815 3 Sem Hrs
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 Modern European History, 1815-Present 3 Sem Hrs
The second half of History 311. Continuation of the survey of European history in the 19th and 20th centuries to the contemporary period.
- HIS 316 The Era of Civil War and Reconstruction 3 Sem Hrs
An examination of the forces that led to the outbreak of Civil War Between North and South; the Union victory; and the problems of reconstructing the nation.
- HIS 318 The Rise of Modern America, 1914-Present 3 Sem Hrs
For history and non-history majors. The 20th century background of contemporary American society. Content will emphasize the impact of two World Wars on the development of the United States as an advanced industrial society and as a world power.
- HIS/POL 341 Constitutional Law and History 6 Sem Hrs
Constitutional questions are viewed in respect to their background in history, politics, religion, and economics. Emphasis will be given to trends in constitutional law as related to federalism, the separation and delegation of powers, commerce, taxation, subversion, and individual civil rights in peace and war. *Prerequisites:* HIS 211-212.
- HIS 323 American Social History 3 Sem Hrs
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 351 American Diplomatic History 3 Sem Hrs
A general study of the history of American diplomacy from the colonial period to the present. Special emphasis is given to United States foreign relations in the 20th Century. *Prerequisites:* HIS 211-212.
- HIS 410 History of the Far East 3 Sem Hrs
This course deals with the cultural and political developments of the civilizations of China, Japan, India, and selected countries in Southeast Asia. Emphasis will be on the reciprocal impact caused by the contacts between oriental and occidental peoples.
- HIS 491 Problems in European History 3 Sem Hrs
This course is designed to motivate students to engage in vigorous discussion of controversial issues in European history. Some of the selected issues include: peace settlements, nationalism, imperialism, origins of World War I, World War II, and war guilt questions.
- HIS 412 History of the South 3 Sem Hrs
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 421 Problems in American History 3 Sem Hrs
A consideration of selected controversial issues in American history. Students will evaluate critically such issues as the causes and results of the American War for Independence, sectionalism, the American Civil War, the New Deal, etc.
- HIS 431-432 Survey of Russian History 6 Sem Hrs
This course surveys the history of Russia and the Soviet Union from the Kievan period to modern times, with emphasis on the political, religious and

cultural trends that underlie the development of the Russian state and society. The first phase of study ends with the Crimean War era, and the second phase carries the study into the era of the Union of Soviet Socialist Republics (U.S.S.R.). Tsarist and Soviet foreign policy is also included.

- HIS 251 The Renaissance and Reformation 3 Sem Hrs
1300-1648
The rise of individualism and humanistic thought after 1300 a.d.; the fragmentation of religious and political authority in Europe; and Reformation and religious wars to the Treaty of Westphalia. *Prerequisite:* HIS 115-116.
- HIS 253 The French Revolution and Napoleon 3 Sem Hrs
Collapse of the *ancien regime*, its causes and effects; Napoleon's attempt to establish a new order in Europe under French hegemony; the Congress of Vienna. *Prerequisites:* HIS 115-116 or HIS 311.
- HIS 320 Twentieth Century Europe 3 Sem Hrs
A study of the recent origins of contemporary European problems: World War I and World War II; social and economic upheaval; fascism; communism; national rivalries; domination by the super powers; and the recovery of economic and political stability.
- HIS 381 History of England and Great Britain 3 Sem Hrs
Starts with the Stuart era in 1603 and ends with World War II; examines such topics as the evolution of the parliament; overseas expansion and sea power; the Industrial Revolution; democracy; commonwealth, Empire; the end of isolation; and participation in the world wars.
- HIS 391 Emergence of Modern Germany 3 Sem Hrs
German history in five periods: before unification (1815-1870); under Bismarck; under Wilhelm II; between the wars; since 1945.
- HIS 358 History of Modern East Asia 3 Sem Hrs
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.

COURSES IN MATHEMATICS

MAT 115 Introduction to Contemporary

- Mathematics I 3 Sem Hrs
This is a course in the fundamentals of mathematics for college freshmen. Most liberal arts degrees require this course and Mathematics 116. Most engineering degrees will not give degree credit for this course and Mathematics 116 and yet if the student needs these two courses before taking Analytical Geometry and Calculus, he should take them regardless of the credit in order to be sure of being able to understand the calculus course. Credit is given for this course for an Associate of Arts degree in Mathematics or Computer Science. The course consists of the number system and other scales of notation; algebraic operations, logarithms; sets; logic and Boolean algebra; permutations; combinations, binomial theorem. The point of view is intuitive. Some emphasis is placed on the history of certain mathematical concepts and the importance of mathematics in the real world. *Prerequisite:* High school diploma or GED.

MAT 116 Introduction to Contemporary**Mathematics II****3 Sem Hrs**

See Mathematics 115 for general purpose of course. It consists of an introduction to analytical geometry including graphs of systems of linear inequalities and linear programming, trigonometric functions; introduction to probability and statistics, introduction to linear algebra including use of Cramer's rule; introduction to calculus. Credit is given for this course for an Associate of Arts degree in Mathematics or Computer Science. *Prerequisite:* MAT 115 or equivalent.

MAT 119 Algebra and Trigonometry**4 Sem Hrs**

This is a precalculus course and is designed to give a rapid review of the fundamentals of mathematics. It was designed specifically for students of the School of Engineering, Physical and Mathematical Sciences and Design in order to use a minimum amount of time in preparing them for calculus. Credit towards the graduation requirements in these schools is not usually given. Credit is usually given towards a liberal arts degree. Associate of Arts degree candidates may substitute this course for Mathematics 115-116. The course consists of sets, logic, real number system, polynomials, algebraic fractions, exponents and radicals, linear and quadratic equations, inequalities, functions and relations, vectors and matrices, logarithms, plane trigonometry, mathematical induction. *Prerequisite:* High school diploma or GED. Should have B average in mathematics in high school. Otherwise take Mathematics 115.

MAT 120 Calculus for Business and Social**Sciences A****4 Sem Hrs**

This course is designed for business, biology and social science majors. It covers limits and derivatives, techniques of differentiation, applications, logarithmic and exponential functions, higher derivatives, definite integral applications, integration techniques, multivariate calculus, partial derivatives, multiple integrals, examples and applications in biological and behavioral sciences. This course or Mathematics 212 is required for an Associate of Arts degree in Computer Science. *Prerequisite:* Mathematics 116 or Mathematics 119.

MAT 220 Calculus for Business and Social**Sciences B****3 Sem Hrs**

Consists of sequences, series, Taylor's Theorem, trigonometric functions, difference equations, differential equations, examples and applications in the biological and behavioral sciences. *Prerequisite:* MAT 120.

MAT 212 Analytic Geometry and Calculus I**4 Sem Hrs**

This is the first of three semesters of a unified course in analytic geometry and calculus. It is designed for students in the Schools of Engineering, Physical and Mathematical Science and Design. It consists of functions and graphs, limits, derivatives of algebraic functions and applications, indefinite integral, definite integral and the fundamental theorem of calculus, areas and volumes, plane analytic geometry. This course is required for an Associate of Arts degree in Mathematics. *Prerequisite:* MAT 116 or MAT 119.

MAT 321 Analytic Geometry and Calculus II**4 Sem Hrs**

The second of three semesters of a unified course in analytic geometry and calculus. Applications of the definite integral. Transcendental functions, methods of integration, polar coordinates, parametric equations, introduction to infinite series. This course is required for an Associate of Arts degree in Mathematics. *Prerequisite:* MAT 212.

- MAT 322 Analytic Geometry and Calculus III** 4 Sem Hrs
This is the third of three semesters of a unified course in analytic geometry and calculus. It consists of a brief introduction to determinants and matrices, vector functions, analytic geometry of three dimensions and partial differentiation, multiple integration, applications, line integral and Green's Theorem. This course is required for the Associate of Arts degree in Mathematics. *Prerequisite:* MAT 321.
- MAT 211 Modern Geometry** 3 Sem Hrs
It includes prospectus of triangles and circles, homothetic transformations, the nine point circle, Simson line, harmonic section, Memelaus' and Ceva's theories. This course is required for the Associate of Arts degree in Mathematics. *Prerequisite:* MAT 116 or MAT 119.
- MAT 311 & 312 Modern Algebra I & II** 3 Sem Hrs
These courses cover graphs, rings, fields, vector spaces, linear transformations, and classification of quadratic forms. These courses are required for an Associate of Arts degree in Mathematics. *Prerequisite:* MAT 212.
- MAT 410 Probability and Statistics** 4 Sem Hrs
Sample spaces and probability measure. Random variables. The addition and multiplication principles. Simple descriptive statistics. Repeated trials and the binomial distribution. Normal distribution, Bivariate distributions and least squares. Correlation coefficients, confidence intervals. This course is required for an Associate of Arts degree in Mathematics. *Prerequisite:* MAT 212.
- MAT 430 History of Mathematics** 2 Sem Hrs
A survey of the development of mathematics, with biographical references, national achievements, and discussion of mathematical interest. This course is required for an Associate of Arts degree in Mathematics. *Prerequisite:* Consent of Instructor.
- MAT 442 Set Theory** 3 Sem Hrs
A rigorous study of axiomatic set theory; topics include ordinal numbers, transfinite induction, cardinal numbers, cardinal arithmetic, axiom of choice. This course is required for an Associate of Arts degree in Mathematics. *Prerequisite:* MAT 212.
- MAT 460 Linear Algebra** 3 Sem Hrs
Vectors, matrices and related topics. This course is required for an Associate of Arts degree in Mathematics. *Prerequisite:* MAT 321.
- MAT 110P General Mathematics** 3 Sem Hrs
To provide the student a review of basic mathematics, understanding of set theory and perform operations with sets; understanding of the real number system; provide an appreciation of a function and obtain skills in graphing functions; develop satisfactory skills in factoring, simplifying fractions, solving linear equations and inequalities, and quadratic equations. This review of basic mathematics enables him to enter college and perform acceptably in Freshman math.

COURSES IN MATHEMATICS
(COMPUTER SCIENCE)

- MAT 101 CS Computer Programming Language I** 3 Sem Hrs
 This course provides an introduction to a problem-oriented computer language for use on digital computers. The current language is FORTRAN IV. This course is required for an Associate of Arts degree in Mathematics and Computer Science.
- MAT 102 CS Basic Computer Organization and Assembly Language** 3 Sem Hrs
 Topics included in this course are logic of computer structure, machine representation of number and characters, flow of control, instruction codes, symbolic arithmetic and logical operation, indexing I/O subroutine linkages, and number systems related to computer operation. This course is required for the Computer Science Associate of Arts degree.
- MAT 105 CS Computer Operation** 3 Sem Hrs
 This course, required for an Associate of Arts degree in Computer Science, provides "hands-on" experience in operating computer hardware. *Prerequisite:* MAT 101 CS.
- MAT 201 CS Computer Programming Language II** 3 Sem Hrs
 The study of a second computer language is undertaken in this course. Currently the language is COBOL, a language oriented toward business problems and procedures. This course is required for the Computer Science Associate of Arts degree.
- MAT 202 CS Introduction to Numerical Methods** 3 Sem Hrs
 A study of techniques used to translate certain known computational algorithms into computer programs is undertaken. Routines available from the university program library are also used. Areas of study include linear systems of equations, curve fitting and interpolation algorithms, and solution of non-linear equations. An elementary discussion of error is included. This course is required for an Associate of Arts degree in Computer Science. *Prerequisites:* MAT 116 or MAT 119, MAT 101 CS.
- MAT 301 CS Business Computer Systems and Applications** 3 Sem Hrs
 A study of methods of processing business data to produce various accounting statements and managerial reports is undertaken. Detailed procedures for collecting, organizing, and evaluating information from within the organization are presented. Design of business systems is studied. Course requirements include the design and presentation of a business system as a semester project. This course is required for an Associate of Arts degree in Computer Science. *Prerequisites:* MAT 101 CS or MAT 201 CS.
- MAT 302 CS Computer Organization and Logic** 3 Sem Hrs
 This course, required for an Associate of Arts degree in Computer Science, contains an introduction to Boolean algebra and symbolic logic as used in computer organization. Other topics include switching circuits, arithmetic circuits, and applications of logic to problem solving. *Prerequisites:* MAT 116 or MAT 119, MAT 102 CS.
- MAT 402 CS Computer Applications in Mathematics** 3 Sem Hrs
 Selected topics in this course include a comparison of various integration techniques for solving specific ordinary and partial differential equations. Analog and hybrid computer uses are discussed. Non-numeric programs for

symbolic manipulation and for differentiation and integration are studied. A survey of available computer programs and subroutines is given. Error approximations are discussed. This course is required for an Associate of Arts degree in Computer Science. *Prerequisites:* MAT 120 or MAT 212, MAT 202 CS, and consent of instructor.

COURSES IN MUSIC

- MUS 361-362 History of Music 3 Sem Hrs
A study of the musical and humanistic background of styles and terms of music from the period of the Greek civilization to the complicated tonal structures of the present. The study includes reports, readings, demonstrating and listening. *Prerequisite:* MUS 131-132.
- MUS 461 Afro-American Music 3 Sem Hrs
A detailed study of traditional African music with emphasis on music in African life. Emphasis is given to the transition from African to Afro-American music and its influence upon the development of the blues, spirituals, gospel, and jazz. Contributions of Afro-American music to that of popular as well as the classical tradition.

THEORY

- MUS 132 Basic Musicianship 2 Sem Hrs
This is a course in basic musicianship. A concentrated study of rudiments of music (scales intervals, triad construction, form, etc.) concentrated drill in rhythmic and melodic patterns. Keyboard sight-singing and ear training drills. Required of music majors and minors.
- MUS 311-312 2 Sem Hrs
Emphasis on vocal agility, volume, range, and quality of tone. The study of more advanced works in foreign languages, modern songs and operatic and oratoric areas are required at this state.
- MUS 411-412
The main emphasis is upon interpretation aspects of singing and development of the students capacity to sing with style and distinction. The repertoire is general and governed by the capabilities of the student. Senior recital.

INSTRUMENTS

- MUS 111-112 Woodwind 2 Sem Hrs
Development of the embouchure, tonguing, hand and finger position, breathing, reed preparation, tone studies, scales and intervals.
- MUS 211-212 Woodwind 2 Sem Hrs
All major and minor scales and arpeggios. Suitable studies and compositions.
- MUS 311-312 Woodwind 2 Sem Hrs
The development of solo performance and repertoire.
- MUS 411-412 Woodwind 2 Sem Hrs
Preparation of senior recital.
- MUS 111-112 Brasswind 2 Sem Hrs
Development of embouchure, tonguing, breathing, tone studies scales and intervals.
- MUS 211-212 Brasswind 2 Sem Hrs
Studies and solo through the practical range of the instrument.
- MUS 311-312 Brasswind 2 Sem Hrs
Continuation of preceding course. Advanced studied throughout compass instrument. Development of solo performance and repertoire.

- MUS 411-412 Brasswind 2 Sem Hrs
Preparation for senior recital.
- MUS 111-112 Percussion 2 Sem Hrs
Attention is given to wrist action, proper holding of sticks, coverage of basic rudiments.
- MUS 211-212 Percussion 2 Sem Hrs
Emphasis is placed on intense study of general problems of percussion instruments. Emphasis is placed on the tympani, bells, and xylophone.
- MUS 311-312 Percussion 2 Sem Hrs
Development of solo performance.
- MUS 411-412 Percussion 2 Sem Hrs
Preparation for senior recital.
- MUS 210 Music Appreciation 3 Sem Hrs
Introduction to the basic materials of music and the utilization of these in the understanding and enjoyment of music of different styles and periods. Musical elements, forms, stylistic features and the role of music in our society.
- MUS 231 Harmony, Sight Singing & Ear Training I 3 Sem Hrs
Triads and chords in diatonic harmony in root position and all inversions. Nonharmonic devices; dominant seventh chords; beginning modulation; cadences. Keyboard work. Sight singing and ear training (identification of intervals and rhythmic and melodic dictation). Original work. Meets five periods a week. *Prerequisite:* MUS 132 or equivalent.
- MUS 232 Harmony, Sight Singing and Ear Training II 3 Sem Hrs
A continuation of Harmony, Sight Singing and Ear Training I. Meets five periods a week.
- MUS 331 Harmony, Sight Singing and Ear Training III 3 Sem Hrs
This course is a continuation of Harmony, Sight Singing and Ear Training I & II. This course includes a study of harmony, aural and written; keyboard harmony and figured bass; some counterpoint, sight singing, and sight playing, ear training and analysis. Meets five periods a week.
- MUS 332 Harmony, Sight Singing and Ear Training IV 3 Sem Hrs
Continuation of Harmony, Sight Singing and Ear Training III. Meets five periods a week.
- MUS 471 Instrumentation and Orchestration 2 Sem Hrs
A thorough study of the instruments of band and orchestra, and how to write and arrange for small ensembles and full band orchestra. This also includes ranges and other tonal possibilities. *Prerequisite:* MUS 332. Meets two periods a week.
- MUS 431 Counterpoint 2 Sem Hrs
An analysis and writing of counterpoint. Study of contrapuntal works from the 16th, 18th, and 19th centuries. Meets two periods a week. *Prerequisite:* MUS 332.
- MUS 432 Forms and Analysis 2 Sem Hrs
Various polyphonic forms including fugue; larger homophonic forms (sonata, 3rd rondos, tone poem, etc.). Various periods of composition; attention to twentieth century idioms. *Prerequisite:* MUS 332. Meets two periods a week.

ORGANIZATIONS AND ENSEMBLES

- Ensemble 1 Sem Hr
Woodwind and Brass Ensembles are to give the student an opportunity to

perform representative works in the woodwind and brass ensemble field. They are open to all students of the University who are qualified, and will be organized as they become available. The University Marching and Concert Band is open to all students of the University who similarly qualify.

MUSIC EDUCATION COURSES

- MUS 141-142 Voice Class I 1 Sem Hr
Group instruction in the fundamentals of voice production as related to singing and introduction to solo vocal literature. Class performance required. One period a week.
- MUS 241 String Instrument Class 1 Sem Hr
This course is designed to give the student a working knowledge of the violin, viola, cello, violoncello and bass violin.
- MUS 242-341 Class Instrument in Woodwind and Brasswind Instruments 1 Sem Hr
A practical course in learning to play woodwind and brasswind instrument. Covers the production of tone, fingering and phrasing on the instrument. Modern methods of class instruction are discussed and practiced. Special problems pertaining to class instruction procedures and the repairs of instruments are studied.
- MUS 342 Class Instruction in Percussion Instruments 1 Sem Hrs
Snare drums, tympani, xylophones. A practical course in learning to play the percussion instrument. Modern methods of class instruction are discussed and practiced.
- MUS 361 Elementary School Music Methods and Materials 3 Sem Hrs
This course is planned to acquaint the student with materials and methods used for teaching music in the elementary grades. Meets three periods per week. *Prerequisite:* MUS I (Harmony).
- MUS 362 Secondary School Methods and Materials 2 Sem Hrs
This course is concerned with the curricula, methods, procedures and materials used for teaching music on the junior and senior high school levels. Three periods a week. *Prerequisite:* Music Education.
- MUS 372 Conducting 2 Sem Hrs
Conducting technique with reference to conducting choral and instrumental organizations. Score reading and interpretation; choral literature and program building for school choirs. Two periods a week. *Prerequisite:* Music IV.
- ### APPLIED MUSIC
- MUS 161-162 Class piano 1 Sem Hr
- MUS 111-112 2 Sem Hrs
Major and minor scales, arpeggios; sight reading and memorization. Simple hymns, community songs. Hamau, Pislcia, Clementi, and others.
- MUS 211-212 2 Sem Hrs
Scales and arpeggios, standard piano literature, and intermediate level including sonatas of Kuhlau, Clementi and Beethoven. Short preludes and fugues; Czerny, etudes.
- MUS 261-262 Class piano 1 Sem Hr
A continuation of MUS 161-162. (Elective for non-music majors).
- MUS 311-312 2 Sem Hrs
Major and minor scales, arpeggios (four octaves at a more rapid tempo). Bach Two- and Three-part Inventions. Sonatas by Hayden and Mozart. Selected compositions by Romantic composers. Sight reading.

MUS 411-412 2 Sem Hrs
 Prelude and fugue selected from Bach. Well-tempered Clavier. Bach dance forms from a suite or partita. Beethoven sonatas. Chopin Etudes; Compositions from Romantic and Modern Composers. Scales in 3rds, 6ths, 10ths; dominant seventh and diminished arpeggios (four octaves).

ORGAN

In order to study organ as a primary instrument a student must demonstrate some ability on the piano.

MUS 111-112 2 Sem Hrs
 Elements of manual and pedal technique; easy preludes and offertories. Studies by Gleason, Nilsen, etc.; "Little Preludes and Fugues"; hymn-playing and service playing.

MUS 211-212 2 Sem Hrs
 Technique; repertoire. Bach, "Little Preludes and Fuges"; Orgelbuechlein, Brahms, "Choral Preludes"; Vierne and Widor; other standard works. Hymn playing and some memorization.

MUS 311-312 2 Sem Hrs
 More difficult literature. (Bach, Handel, Liszt, Hindermith, 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 411-412 2 Sem Hrs
 Continued repertoire works; larger and more difficult compositions for the general literature. Ensemble whenever possible. Composition in larger form registered by student, memorized and performed satisfactorily in public. Partial recital.

VOICE

MUS 111-112 2 Sem Hrs
 Development of correct breathing, breath control, tone production and diction study. Song literature in English and Italian. English diction and Italian diction.

MUS 211-212 2 Sem Hrs
 A continuation of technical studies advancing in difficulty. Vocalises for developing sustained singing. Choice of song literature determined in large measure by state of development in the use of foreign languages.

COURSES IN PHILOSOPHY

PHL 210 Introduction to Philosophy 3 Sem Hrs
 The philosophy course examines the function and role of philosophy in a society by the actual engagement in analytical and critical approaches to man's encounter with the external world as seen through the Black Experience. It seeks to reveal the process and discipline of philosophy through the investigation of fundamental philosophic questions and to show the different interpretations of questions through a variety of philosophic literature. The sequence includes a study of the significance of these questions through myths, religion, epistemology and social political philosophy.

PHL 220 Introduction to Logic 3 Sem Hrs
 The aim of this course is to give students practical ideas useful for critical reasoning, and improve the ability of the students to solve problems.

- PHL 320 Introduction to Ethics 3 Sem Hrs
A philosophical 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 Philosophy of Religion 3 Sem Hrs
Designed to give a critical understanding of the claims of Religion, God, Religious experience, the meaning and truth of religious beliefs.
- REL 311 Introduction to Bible 3 Sem Hrs
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 of interpretation.
- REL 410 Religion and Culture 3 Sem Hrs
A study of the social dynamics resulting from the confrontation of contemporary institutional religions with emergent cultural religions.

COURSES IN THE PHYSICAL SCIENCES

- CHE 111-112 General Chemistry 8 Sem Hrs
The fundamental chemical laws and theories, the character of the elements and their more important compounds, the solution of chemical problems and important applications. The laboratory work is devoted to qualitative and limited quantitative analysis. Lecture 2 hours and Laboratory 3 hours.
- CHE 211-212 Analytical Chemistry 8 Sem Hrs
Volumetric analysis, including the techniques, chemistry, stoichiometric titrations, colorimetry, pH measurements and precipitation analysis. *Prerequisite:* CHE 111-112. Lecture 2 hours and Laboratory 3 hours.
- CHE 311-312 Organic Chemistry 8 Sem Hrs
For third year students in biology, chemistry, and pre-medical training. A study of aliphatic and cyclic compounds, methods of preparation, purification, and identification of compounds. *Prerequisites:* CHE 111-112. Lecture 2 hours and Laboratory 3 hours.
- CHE 321-322 Physical Chemistry 8 Sem Hrs
For students in biology, chemistry, and pre-medical training. A study of the states of matter, solutions, conductance, equilibrium, chemical kinetics, electrolysis, oxidation and reduction reactions. *Prerequisites:* Calculus I and II, General Physics. Lecture 2 hours and Laboratory 3 hours.
- BIO-CHE 411-412 Bio-Chemistry 8 Sem Hrs
Includes composition of plants, animals and seeds. Characteristics and functions of carbohydrates, lipoids, proteins, vitamins and minerals in plants and animals. *Prerequisites:* CHE 111-112. Lecture 2 hours and Laboratory 2 hours.
- PHY 111-112 General Physics 8 Sem Hrs
Introduction to the basic physical principles of mechanics, heat and sound. Lecture 2 hours and Laboratory 2 hours.
- PHY 211 Mechanics 3 Sem Hrs
Chiefly a problem solving course in mechanics, dealing with vectors, rotation, and moments of inertia. *Prerequisite:* PHY 111. Lecture 2 hours and Laboratory 2 hours.
- PHY 212 Heat 3 Sem Hrs
Laws of Thermodynamics, Kinetic Theory of gases, heat engines and air-conditioning. *Prerequisite:* PHY 111. Lecture 2 hours and Laboratory 2 hours.

- PHY 311-312 Electricity and Magnetism 6 Sem Hrs
Introduction to the theory of electricity and magnetism, the use of direct and indirect currents and their applications. *Prerequisite:* PHY 111. Lecture 2 hours and Laboratory 2 hours.
- PHY 411 Phy. Electronics 3 Sem Hrs
Characteristics of vacuum tubes and transistors and their functions in various circuits. Radio and Television. *Prerequisites:* PHY 211-212. Lecture 2 hours and Laboratory 2 hours.
- PHY 412 Bio-Physics 3 Sem Hrs
This course will treat those basic portions of experimental electricity, electronics, mechanics, thermodynamics, optics, and acoustics which are of value to a person preparing for a career in medical research or bio-physics.
- GEO 311-312 Introduction to Geology 3 Sem Hrs
A study of the physical processes that operate on and within the earth — the processes that have given the rocks of the earth's crust their composition, and structure, and the forces that have shaped the landscapes. Analyses are made of the geological agents and processes and the basic factors which entered into the origin and development of geologic features. Particular attention is given to the recognition and significance of geomorphic surface effects of different climates on landscape evolution, and the physical development of the large physiographic provinces. Occasional field trips.
- PSC 111-112 Physical Science (For Non-Science Majors) 4 Sem Hrs
Introduction to the basic principles of astronomy, meteorology, physics, chemistry, and geology. Primarily for a cultural or liberal education such as the liberal arts, business, elementary and secondary education, journalism, law, mass communication, music, and social work.

COURSES IN PSYCHOLOGY

- PSY 210 Introduction to Psychology 3 Sem Hrs
A study of the general characteristics of human behavior including motivation, learning, development, thinking, perception, sensation, and measurement. The objectives are: development of the ability to communicate in oral and written form accurately and scientifically about behavior; development and an understanding of and a capacity to use scientific ideas and processes as they apply to behavior; an understanding of the behavior of organisms.
- PSY 215 Social Psychology 3 Sem Hrs
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. *Prerequisite:* PSY 210.
- PSY 250 Current Topics in Psychology 3 Sem Hrs
A survey of the psychological literature concerning problems of current interest. Topics will be selected each time the course is offered from areas with a substantial psychological literature. They may include such concerns as: the psychology of population control, international behavior, the psychology of death, problems of leisure, the psychology of sex-role identity.
- PSY 310 Personality and Adjustment 3 Sem Hrs
An investigation of differing views on the development and functioning of the normal personality, including a survey of empirical findings related to individual adjustment or maladjustment. *Prerequisite:* PSY 210.
- PSY 320 Learning and Motivation 3 Sem Hrs
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. *Prerequisite:* PSY 210.

- PSY 331 Educational Psychology (Same as Education 331) 3 Sem Hrs
This course is designed to acquaint the student with the learning process and its relation to education. It emphasizes the principles necessary for successful classroom operation.
- PSY 335 Psychological Tests and Measurements 3 Sem Hrs
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. *Prerequisite:* PSY 210 and 3 hours mathematics, or consent of instructor.
- PSY 340 Human Development (Same as EDU 340) 3 Sem Hrs
A survey of factors affecting psychological development from infancy through adult life, with emphasis on the years of most rapid change. *Prerequisite:* PSY 210.
- PSY 350 Industrial and Organizational Psychology 3 Sem Hrs
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. *Prerequisite:* PSY 210.
- PSY 400 Historical and Conceptual Foundations
of Psychology 3 Sem Hrs
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 problems and methodologies.
- PSY 420 Sensation and Perception 3 Sem Hrs
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. *Prerequisite:* PSY 210, 3 hours biological science or consent of instructor.
- PSY 422 Abnormal Psychology and Behavior Disorders 3 Sem Hrs
A survey of disturbances of personality and behavior, and the major viewpoints on their cause, prevention, and treatment. *Prerequisite:* PSY 210.
- PSY 425 Cognitive Processes 3 Sem Hrs
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. *Prerequisite:* PSY 210.
- PSY 430 Group Dynamics 3 Sem Hrs
Small group structure, process, and productivity as they are affected by characteristics of the group's environment, members, and task. Social interaction, leadership, and social influence. *Prerequisite:* PSY 210 and PSY 215, or consent of instructor.
- PSY 445 Experimental Psychology 4 Sem Hrs
Lecture and laboratory covering the design, conduct, analysis, and interpretation of experimental research in areas of general psychology such as learning and perception. *Prerequisite:* PSY 210 and credit or concurrent registration in a statistics course.

- PSY 460 Individual topics in Psychology 1-6 Sem Hrs
Supervised library, laboratory and/or field research in psychology on a topic of mutual instructor-student consent. Credit to be arranged at time of registration. *Prerequisite:* 9 hours in PSY.

COURSES IN SOCIOLOGY AND ANTHROPOLOGY

- ANT 210 Introduction to Anthropology 3 Sem Hrs
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, technology, kinship systems, economic, political and religious organizations, art and language.
- ARC 200 Principles of Archaeology I 3 Sem Hrs
An introductory course to the methods and techniques used by archaeologists in their reconstruction of past human cultural systems. The course surveys human cultural development in the Old and New Worlds.
- ARC 200L Field Training in Archaeology
Survey Techniques 1 Sem Hr
To include sight location, description, and preparation for excavation. *Prerequisites:* ARC 200.
- ARC 201 Principles of Archaeology II 3 Sem Hrs
Course introduces the field survey and excavation techniques used by archaeologists in obtaining information on past human cultural systems. The learner will be afforded an opportunity to take part in various techniques by which archaeological sites are located to include air and infrared photography, map, and terrain analysis.
- SOC 210 Principles of Sociology 3 Sem Hrs
An examination of the basic concepts and principles of sociology with emphasis on a scientific analysis of culture, personality, social groups and groupings, social institutions, social organizations, population trends and social processes.
- SOC 310 Criminology 3 Sem Hrs
This course covers the nature of crime, selective statistics of criminal behavior, and theories with regard to crime and on-going research.
- SOC 311 Culture and Personality 3 Sem Hrs
A study of the nature of culture, the factors of differences in human behavior and personality; comparisons of selected pre-literate and modern groups with regard to social structure. *Prerequisite:* SOC 210.
- SOC 320 Juvenile Delinquency 3 Sem Hrs
A course designed to investigate the impact of juvenile delinquency upon the family and the community and an investigation of the criminogenic homes and communities.
- SOC 321 Principles of Social Work 3 Sem Hrs
An introduction course dealing with the various areas, processes, and functions of social work. The various services and resources which the community provides for the social welfare of its citizens and of which the social worker makes use in the practice of his profession.
- SOC 330 Marriage and the Family 3 Sem Hrs
Marriage consideration, i.e., mate selection and courtship are investigated, and the institutional structure of the family plus parental roles and parent-child relationships are emphasized.

- SOC 332 Social Statistics 3 Sem Hrs
A general course concerning the use of graphs, frequency distributions, measures of central tendencies, measures of dispersions and introduction to sampling and correlation.
- SOC 342 Minorities 3 Sem Hrs
An analysis of the status and problems of selected racial, ethnic and religious minority groups and minority movements.
- SOC 350 Methods of Community Organization 3 Sem Hrs
This course presents an introduction to the theory and practice of community organization concerned with social change. Emphasis is on the organizing process: the formation and development of community groups, their elaboration of goals and issues, and the action strategies groups, their elaboration of goals and issues, and the action strategies decided upon; the social and political factors which affect the process; the role of the professional, and particularly as it is shaped by the client, agency, institutional, and community context. *Prerequisite:* SOC 212, 321.
- SOC 352 Social Stratification 3 Sem Hrs
A study of classes, castes, estates, status groups and social mobility. A comparison is made of stratification in select societies.
- SOC 360 Contemporary Social Problems 3 Sem Hrs
This course is designed to acquaint the student with the strains 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 context.
- SOC 370 The Sociology of the Black Ghetto 3 Sem Hrs
This course is designed to present an analytical description of the American Black Ghetto. The student will be expected to become familiar with: (1) The forces within American society which precipitated ghetto living, (2) The life styles and sociocultural patterns which developed as an adjustment to ghetto life and (3) Some possible solutions to the problem of the Black Ghetto in American society.
- SOC 380 The Sociology of the Black Family 3 Sem Hrs
An intense study of the Black family; its past, present, and future, with emphasis on the vicissitudes of the Black family in its long history from Africa to the present, its differentiated forms according to the divergent situations which have confronted it, variations in sex and marital practices developed in the social heritage during slavery, and the disorganizing effects of migration, race prejudice and segregation, its uniqueness as compared to other families in the Western World.
- SOC 411 Sociological Research Methods 3 Sem Hrs
The course introduces the most advanced students to sociological research. Delineation of a research program in sociology; survey and uses of available sources of data; consideration of research designs and fields methods for collecting original data. *Prerequisites:* SOC 210, 332.
- SOC 420 Honors 3 Sem Hrs
Open to juniors and seniors for special advanced work in reading and research with the approval of the department chairman. *Prerequisites:* SOC 210, 311.
- SOC 421 Methods of Social Case and Group Work 3 Sem Hrs
The fundamentals of case work, group work, and community organization approaches and methods are emphasized. *Prerequisites:* SOC 210, 321.

- SOC 422 Collective Behavior 3 Sem Hrs
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.
- SOC 430 Seminar in Social Work 3 Sem Hrs
Juniors and seniors may enroll for special advanced work. Attention is focused on current issues in social welfare and social work — affording opportunities for studying a variety of points of views and courses of action. It is directed toward a more advanced level of integration for practice as well as to develop awareness of the role of research on the examination of new and developed areas of practice. Current issues in conceptualization of social work are included in these deliberations.
- SOC 431 Sociological Theory 3 Sem Hrs
A selective and systematic study of the major writings in the development of modern sociological thought. The sociological theories of recent writers will be critically examined for the purpose of providing the student a basis for formulating his own theory of life. *Prerequisite:* SOC 210.
- SOC 442 Agency Laboratory Experience 2-5 Sem Hrs
This course is 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. Weekly lectures and conferences the three to six hours assigned for practical experience. *Prerequisites:* SOC 210, 321, 421, or SOC 210, 321, and 350.
- SOC 452 Urban Sociology 3 Sem Hrs
An analysis of the physical, social and psychological aspects of the urban community. Emphasis will be placed on its pattern of organization and forces affecting this pattern of urban research and urban planning.
- SOC 470 Social Change and Problems of Adjustment 3 Sem Hrs
A study of the causes, types, and theories of social change, includes problems of personal and social adjustments along with adjustment of contemporary institutions to socio-cultural change. *Prerequisite:* SOC 210.

COURSES IN SPANISH

- SPA 111-112 Elementary Spanish 6 Sem Hrs
The course is designed to develop the basic communicative skills: speaking, aural comprehension, writing, reading. Regular laboratory practice.
- SPA 211-212 Intermediate Spanish 6 Sem Hrs
This course will continue 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. Language laboratory practice. *Prerequisite:* SPA 112 or placement examination.
- SPA 311 Spanish Conversation I 3 Sem Hrs
A course designed to develop greater oral proficiency.
- SPA 312 Spanish Conversation II 3 Sem Hrs
A continuation of the development of the skill in correct oral expressions with studies in phonetics and intonation, dictations, and vocabulary building. *Prerequisite:* SPA 311.
- SPA 321 Spanish Civilization and Culture 3 Sem Hrs
A study of the civilization and culture of Spain with attention focused on the

life, customs, philosophy, art, music, and general cultural patterns of the people. *Prerequisite:* SPA 212.

- SPA 322 Survey of Spanish Literature I 3 Sem Hrs
The course is a comprehensive study of the most representative Spanish authors and their works from earliest times to 1700. *Prerequisite:* SPA 212.
- SPA 340 Survey of Spanish Literature II 3 Sem Hrs
A study of the masterpieces of Spanish literature from the earliest times through the contemporary period. *Prerequisite:* SPA 212.
- SPA 411 Survey of Spanish Literature III 3 Sem Hrs
A continuation of the survey of Spanish Literature from 1700 to studies of contemporary times. *Prerequisite:* SPA 212.
- SPA 421 Advanced Grammar and Composition 3 Sem Hrs
A thorough study of syntax and grammar with free composition in Spanish. *Prerequisite:* SPA 212.

COURSES IN SPEECH/THEATRE

- THE 211 Theatre Practice I 1 Sem Hr
A course designed primarily for Drama Guild members interested in learning the basic mechanics of preparing plays for public presentation. This course is also recommended for majors in other areas who may not desire to do intensive study in Theatre.
- SPC 224 Voice and Diction 3 Sem Hrs
Training in the use of proper breathing for good voice production, pause, stress, intonation, the control of resonance, and the concentration of vocal power. *Prerequisite:* Communications Skills 221.
- SPC 236 Phonetics 3 Sem Hrs
A study of the production and transcription of phonetic symbols representing general American speech. Southern and Eastern dialects are considered. *Prerequisite:* Communication Skills 221.
- SPC 320 Group Discussion 3 Sem Hrs
A study and practice in the use of proper breathing for good voice production, pause, stress, intonation, the control of resonance, and the concentration of vocal powers.
- THE 331 Play Production 3 Sem Hrs
A study of the practical aspects of dramatics including acting, directing, and play production and its relationship to community life.
- SPC 332 Oral Interpretation 3 Sem Hrs
Study and practice in analysis and presentation of literature suitable for oral interpretation. Consideration of techniques of interpretative reading. Problems involving prosody, poetic diction, sound values, rhythm, and imagery in their relation to vocal effectiveness.
- THE 334 Stagecraft and Scene Design 3 Sem Hrs
The theory and practice of stage production and design-theatre structure and equipment, problems and practice in scene construction and painting. Lectures, demonstrations, and special projects. *Prerequisite:* Theatre 334.
- SPC 340 Public Speaking 3 Sem Hrs
A course involving the principles of composition and delivery with practice in preparing and presenting short, informative, entertaining and persuasive speeches.

- SPC 351 Methods and Materials of Teaching Speech and Theatre in Secondary Schools 3 Sem Hrs
These courses are intended to develop an understanding of the objectives, the materials, and teaching procedures that are best suited to each training field.
- SPC 410 Argumentation and Debate 3 Sem Hrs
Principles of effective argument, with special attention to reasoning, evidence organization, and refutation.
- THE 452 Children's Theatre for School and Community 3 Sem Hrs
This course is designed for the study of materials and procedures of creative dramatics, choral speaking, puppets and formal dramatics. The course will be climaxed with the production of a play for children. This course is recommended for prospective and inservice teachers on the elementary level. It is also helpful for community workers with children.
- THE 475 Dramatic Theory and Criticism 3 Sem Hrs
A survey of traditional European and American theories of the drama and the effect of the theories on both criticism and the writer of drama during each period covered.
- Communications 360 Television Production and Directing 3 Sem Hrs
Elements of producing television including camera, audio, staging, lighting, graphics, recording, special effects. Leading to experience in creating, producing and directing full-length programs. Offered every semester on campus.

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