

ACADEMIC POLICIES AND PROCEDURES

GENERAL INFORMATION

THE ACADEMIC SCHEDULE

The academic year of Morehouse is divided into two semesters: the first beginning in late August and ending before Christmas, the second beginning in early January and ending in May. A six-week summer session usually begins in early June.

Courses at Morehouse generally meet 50 minutes three times each week or 75 minutes twice each week. Students are advised to plan their schedules carefully. It will not be possible for students to secure their first preference for course meeting times in every instance. While the faculty is sensitive to the many obligations that students have, the course schedule is planned each semester to provide greatest access to the courses offered to the greatest number of students.

Some classes, such as science laboratories, meet at irregular hours. Meeting times for all classes are listed in the pre-registration materials distributed each semester. Class schedules for the other Atlanta University Center institutions are available in the Office of the Registrar.

In hyphenated courses (e.g., ENG 101-102), the student is usually expected to complete the first half of the course prior to enrolling in the second half. Students are not permitted to enroll in courses requiring prerequisites that are not completed without the written permission of the department chairperson.

ACADEMIC ADVISEMENT AND SUPPORT

The process of academic advisement begins for Morehouse students before and during the New Student Orientation (NSO) period. During NSO, new students are given the opportunity to interact with members of the faculty and staff, and to receive academic advisement as they prepare for their first semester of courses at the College. Freshmen receive academic advice from advisers in the academic department in which a major is planned and from the freshman class dean. The freshman class dean is also responsible for providing academic advisement to all new students whose choice of a major has not yet been determined. New transfer students who have declared majors receive advisement from members of the faculty in the major department.

The system of academic advisement and support is enhanced by the Morehouse Learning Resource Center (LRC), which provides a broad range of library and other learning resources. Located in Douglass Hall and operating on a 24-hour basis, the Center consists of a reading room and an electronic classroom/open computer lab.

The reading room houses class-related reference materials and provides individual and group study spaces. A college-wide tutorial program is administered through LRC. The center's computer lab supplements the online services provided by the Atlanta University Center's Woodruff Library. During the day, the electronic classroom serves as a principal site for computer-assisted instruction and research. During the evening hours and on weekends, the College's open computer lab provides access to electronic educational resources for academic-related activities.

ACADEMIC HONESTY

Morehouse is an academic community. All members of the community are expected to abide by ethical standards both in their conduct and in their exercise of responsibilities toward other members of the community. The College expects students to understand and adhere to basic standards of honesty and

academic integrity. These standards include but are not limited to the following:

1. In projects and assignments prepared independently, students must never represent the ideas or the language of others as their own.
2. Students must not destroy or alter either the work of other students or the educational resources and materials of the College.
3. Students must not take unfair advantage of fellow students by representing work completed for one course as original work for another or by deliberately disregarding course rules and regulations.
4. Unless directed by the faculty member, students should neither give nor receive assistance in examinations.
5. In laboratory or research projects involving the collection of data, students must accurately report data observed and not alter data for any reason.

When an instructor concludes that the above standards have been disregarded, it is his or her responsibility to make the evidence available to the student and also to report the incident to the dean of student services. The instructor is free to assign any academic penalty, including failure in the course, for violations of the academic honesty regulations.

COURSEWORK

DEFINITION OF A FULL-TIME STUDENT

A full-time student is one who is taking at least 12 semester hours of scheduled work during a semester. Any student taking fewer than 12 hours in a regular session is considered a part-time student.

NORMAL COURSE LOAD

During the fall and spring semesters, the normal course load is 15-16 semester hours. A student may register for a maximum of 19 semester hours; however, students are advised that course loads that exceed 18 semester hours will incur additional charges (for tuition). During the summer session, a student may register for a maximum of nine (9) semester hours.

COURSE OVERLOAD

An overload is any course load in the fall or spring semester in excess of 19 semester hours. The student must have a cumulative grade point average of at least 3.00 to be considered for an overload. An overload must be approved by signature of the dean of the division in which the student has selected his major. An overload shall not result in a course load in excess of 22 semester hours. Students will not be permitted to take more than nine (9) semester hours during the summer session.

AUDITING COURSES

A student admitted to Morehouse College as a regular or special student may audit courses, with the consent of the instructor and the department chairperson. The auditing fee is \$110 per credit hour. Such arrangements will not be officially recorded and the auditor will not receive academic credit. An auditor may not participate actively in course work and may not, therefore, request registration for credit after the normal registration period has ended.

REGISTRATION

Pre-selection and Registration

On appointed days late in each semester, all continuing students are required to pre-select courses by completing schedules listing their choices of courses for the following semester. Students who pre-select courses and who meet fee payment deadlines will have schedules confirmed electronically. All other students are permitted to confirm their schedules on appointed days at the opening of the next semester. Students will not be permitted to receive academic credit for courses for which they did not properly register.

Changes in Registration

Students may make changes in registration online during the registration period. Gaining access to classes that are full or that carry certain prerequisites may involve a manual process. Forms for making changes in registration are available from instructors and department chairpersons. With the approval of the faculty adviser, a student wishing to modify his schedule by addition, deletion or substitution of courses, may do so on the days announced by the registrar. A fee is charged to students who change course schedules previously confirmed. No change of registration is valid unless the student has fully complied with the procedures established by the registrar's office.

Dropping a Course. A student may drop a course (the course is removed from the student's course schedule and permanent record) on the days announced by the registrar. The College will not make any tuition adjustments for changes in registration following the end of the first four weeks after the beginning of registration.

Withdrawing from a Course. A student may withdraw from a course (the course remains on the course schedule and permanent record) without academic penalty on or before the seventh class day prior to the end of classes. (See Academic Calendar). After securing and completing all necessary course withdrawal forms, the student will receive a designation of W in the course(s). The W indicates that the student has withdrawn from a course without penalty. Withdrawal from a course after the last day of withdrawal will result in the student receiving a grade of F in the course or a final grade as determined by the instructor of record.

Forfeiture of Course Credit and Course Repeats

By registering for and receiving a grade in a course for which credit hours have already been granted, either by work at Morehouse College or by transfer, a student forfeits any previous credits in that course. A student may not use the same course more than once in satisfying graduation requirements.

The last grade recorded will prevail, whether it is higher or lower than the original grade. While all grades will remain on the permanent record, only the last grade recorded will be used in computing the grade-point average.

CLASS ATTENDANCE POLICY

Class attendance is required of all students at Morehouse College. Each student is allowed as many unexcused absences as credit hours for the course. For example, a student is allowed three unexcused absences for a three-credit-hour class. A student is expected to attend all classes and not absent himself without adequate cause. It is the responsibility of the student to make up scheduled work missed because

of officially excused class absences. Absences from unannounced tests and other assignments may be made up at the discretion of the instructor.

Instructors are expected to outline their attendance requirements at the beginning of the semester and to include these requirements in the course syllabus issued to the students. They are required to maintain attendance records on all students and, at the request of the registrar, report any student who exceeds the maximum number of unexcused absences. Students who exceed the maximum number of unexcused absences may be administratively dropped from the course or receive a failing grade in the course.

OFFICIAL EXCUSES FOR CLASS ABSENCES

Each Morehouse student is expected to attend scheduled classes on a routine basis and be punctual. However, in cases of an emergency/illness the associate dean of students verifies all official class excuses. Students must receive signature approval from their respective academic advisers to validate any class excuse. Valid written documentation must be submitted to justify their class absences within three (3) calendar days of the class absence. Class excuses are granted for the following reasons:

Illness	Physician's Appointment
Court Appearance	Funeral
Military Obligation	Family Emergency
Conference with Dean/Faculty/Staff	Official School Business

Class Excuses are not granted for the following:

Public Transportation Problems
Over-sleeping
Automobile Breakdowns

Class excuses are not issued during the summer sessions.

For students from other institutions attending Morehouse classes, the same policies and procedures apply, except that excuses should come from the equivalent officials of the institutions involved.

EXAMINATIONS

Mid-Semester Examinations are administered during the official examination period announced by the College. Students who have deficient performances at the end of the mid-semester period will receive deficiency reports.

Final examinations are held at the end of each semester. Students are required to take final examinations at the scheduled time. Exceptions may be made for students who can provide proof of the necessity to be absent from a final examination. These students may appeal to the instructor for a deferral of the examination. This deferral, if necessary, must be approved prior to the scheduled date of the examination.

CROSS-REGISTRATION

The Atlanta University Center (AUC) has operated a program of cross-registration for over half a century. This has provided expanded academic opportunities comparable to the offerings of a major university. The following guidelines govern the AUC Cross-Registration Program:

1. Each undergraduate institution in the Atlanta University Center shall permit eligible students to participate in cross-registration without any exchange of tuition.

2. Cross-registration shall occur on a space available basis. Each participating institution shall give its students first priority in the cross-registration process. In cases where courses are required for completing either major and/or graduation requirements, every effort will be made to enroll students from the other institutions. Priority will generally be given to majors and seniors from all participating institutions.
3. A student is expected to take core or general studies requirements at the home institution. (*Note:* The home institution is defined as the institution where the student is principally enrolled. The host institution is defined as the institution where the student cross-registers.)
4. During a given semester, a student will not be permitted to cross-register for a course that is offered simultaneously by the home institution without approval of the department chairperson or divisional dean.
5. The academic regulations and codes of conduct of the host institution will apply to students participating in the cross-registration program. The home institution will also determine if its regulations and rules of conduct have been violated; and where applicable, take appropriate action.
6. The course withdrawal policies of the host institution shall apply to cross-registrants. In circumstances where institutional policies and grade designations reflecting course withdrawals differ, the policies of the home institution that most closely correspond to those of the Host Institution shall apply.

COURSEWORK AT OTHER COLLEGES

Each student should plan to complete all course work at Morehouse College or one of the Atlanta University Center schools through the cross-registration program. Each student desiring to take courses at another institution must have the prior written approval of the appropriate Morehouse department chairperson and the registrar. Students who fail to achieve prior approval will not receive credit for the course work. When a student decides to attend a summer school other than the Morehouse summer school, he must have the courses in his major approved by the department chairperson and/or by the appropriate department chairperson if a Core Curriculum course is involved.

GRADING SYSTEM

LETTER GRADES AND EQUIVALENT GRADE POINTS

Averages are computed in grade points. Each graded semester hour of academic credit carries a corresponding number of grade points as follows:

A+	4.0	B+	3.3	C+	2.3	D+	1.3		
A	4.0	B	3.0	C	2.0	D	1.0		
A-	3.7	B-	2.7	C-	1.7	D-	0.7	F	0

GRADE-POINT AVERAGE CALCULATION

The student's grade-point average at Morehouse College is calculated by dividing the total number of quality points (grade points x semester hours) by the total number of semester hours attempted. Except

for course work taken through the cross-registration program with other Atlanta University Center schools, the grade-point average does not include hours or quality points transferred from other institutions.

INCOMPLETE GRADES

An I grade is intended to be only an interim course mark. It is to be used only if a student has an excusable and acceptable reason for not having completed all requirements prior to grade reporting time. The notation I is recorded when the student has been granted permission to defer the final examination or other parts of a course. The deferment shall be given only in the case of illness or other emergency. The student must provide to the instructor verification from the dean of student services. The student must submit the deferred work in time to have the I removed prior to the beginning of classes for the succeeding term (summer session is considered an academic term).

WITHDRAWALS

This designation is assigned when a student officially withdraws from a course(s) during the period from the conclusion of the Registration–Add/Drop Period through the seventh class day prior to the end of classes. (See Academic Calendar). The W indicates that the student has withdrawn without academic penalty.

PASS/FAIL

The designation P is used to indicate satisfactory completion of non-credit and credit courses. The P does not accrue quality points.

CROSS-REGISTERED COURSES

Because Morehouse students are eligible to participate in the cross-registration program in the Atlanta University Center, grade designations not listed above may appear on the student's grade report and transcript. Whenever this happens, an asterisk will be placed adjacent to the course, indicating that the course was not taken at Morehouse College.

GRADE REPORTS

At the end of each term every eligible student is issued a grade report that lists the courses taken, the grades earned in each course, and the semester and cumulative grade-point averages. Grade reports will not be processed for students who have delinquent financial accounts with the College. Students who do not receive these reports should contact the Office of the Registrar. Unless otherwise limited by FERPA regulations, grade reports are mailed to the student's permanent address.

DISPUTED GRADES

If a student has substantial grounds for believing, apart from questions of the quality of work, a particular grade was assigned in a manner that was arbitrary or unjust or that crucial evidence was not taken into account, the student should first discuss the matter with the instructor. If the outcome of that discussion is

not satisfactory, the student should consult with the department chairperson. The chairperson may convene a conference with the student and the instructor. If the outcome of the consultation with the department chairperson is not satisfactory, the student may appeal to the dean of the division within one semester following the term for which the disputed grade was reported.

TRANSFER CREDIT

The College will consider transfer credit for work earned at accredited institutions of higher education provided a grade of C or better has been earned.

Credit for work earned at other schools will be determined by the registrar or the director of admissions when that work is intended to substitute for courses in the core curriculum. In most instances, the department chair must be consulted prior to awarding substitution credit. Students should be prepared to provide course syllabi when requested to facilitate this substitution process. Credit for work in a major area of concentration will be determined by the department chair. In either case, only the credit hours are considered and not the quality points.

***Exceptions:** Students enrolled in off-campus programs sanctioned by Morehouse may receive full academic credit for courses taken, including grade points. In addition, students enrolling in courses through a Morehouse-sanctioned cross-registration program may receive full academic credit.*

New students who transfer from another four-year institution or junior college must submit in advance for admission, transcripts of all previous work done on the college level. Such transcripts must be sent directly from the institution at which the work was completed. Academic work completed at other schools that is not listed on the admission application will not be accepted for transfer purposes.

Enrolled Morehouse students planning to take courses away from Morehouse must complete the proper course approval forms available in the Office of the Registrar. ***Courses taken away from the College must be approved BEFORE the student registers.***

ACADEMIC PROGRESS

SATISFACTORY PROGRESS

A student at Morehouse is expected to make positive academic progress toward a degree. A student is said to be making satisfactory academic progress when his cumulative grade point average and credit hours fall within the classification system below.

Classification	Hours Earned	Grade Point Average
Freshman	0-25	1.7
Sophomore	26-57	1.8
Junior	58-88	1.9
Senior	89 and above	2.0

ACADEMIC PROBATION

The regulations of Morehouse College provide that a student is placed on academic probation at the end of any semester in which his cumulative grade-point average falls below 2.0. Students may remove themselves from academic probation by achieving a cumulative 2.0 average. Students who are on academic probation will not be permitted to enroll in more than 13 semester hours. In addition, no student, while on academic probation, is eligible for active participation in any college organization which officially represents the institution or involves leaving campus or missing classes.

ACADEMIC SEPARATION

A student who is on academic probation will be separated from the College for academic reasons if he fails to satisfy requirements for satisfactory academic progress. A student may be separated from the College for academic reasons for a period of up to one academic year.

ACADEMIC DISMISSAL

A student who has been readmitted to the College after academic separation will be dismissed from Morehouse for academic reasons if he continues to fail to make satisfactory progress toward a degree.

LEAVES OF ABSENCE

Students may take leaves of absence from Morehouse College: (1) to participate in approved study-away programs, or (2) for personal reasons.

Study Leave. Students who are approved by the College to study away (concurrent enrollment) at other institutions in the United States or abroad should, upon notification of acceptance by the other institution, file appropriate study forms with the Office of the Registrar. The students should indicate the duration of study and expected semester of return. If the program of study is approved in advance, credit will normally be granted for courses graded C or better. Without approval in advance, there is no guarantee that credit will be awarded.

Personal Leave. Students who are in good academic standing may be approved by the College to take a personal leave for purpose of work or other non-academic experiences. Work activities may be explored through the Office of Career Placement.

Re-entry Following Leave. Students who plan to return from leave must formally notify the director of admissions and the registrar no later than July 1 for the fall semester, and December 1 for the spring semester. Notification is necessary to help the College project enrollment and space needs. The burden is on the student to make the notification, to make necessary arrangements with the Office of Business and Finance, and to forward housing requests to the director of housing.

WITHDRAWAL FROM MOREHOUSE

When a student finds it necessary to discontinue college work at any time other than at the end of a semester or summer term, he must execute a withdrawal form provided by the Office of the Registrar. The student must clear all College accounts. Grading will be done on the following basis:

1. The transcript of a student withdrawing from Morehouse before the conclusion of the Registration-Add/Drop period will list no courses for that semester.

2. The transcript of a student withdrawing before the final date for withdrawing will contain W notations for each course.
3. When a student leaves the College at any time during a semester or a summer session without filing a withdrawal form and without clearing all College accounts, the student will receive a grade of F in all courses. Further, he will forfeit all rights to a statement of honorable dismissal, thereby jeopardizing the student's re-entrance into the College or transfer to another accredited institution.
4. Withdrawal from a course after the last day of withdrawal will result in the student receiving a grade of F in the course.

A student may withdraw from the College on a voluntary basis, for medical reasons that are documented and supported by the College's physician or the Wellness Center, or he may be directed to withdraw for either academic or non-academic reasons.

Voluntary Withdrawal

In cases of voluntary withdrawal, it is the student's responsibility to file a notice of withdrawal in the Office of Student Affairs. Failure to do so will be noted and taken into consideration should the student apply for re-admission.

Medical Withdrawal

Upon the recommendation by the College's physician or a student's personal physician, a medical withdrawal may be granted by the College. The recommendation of the College's physician is required before the student can be considered for re-admission.

Directed to Withdraw

The College reserves the right to direct to withdraw any student who violates its rules and regulations or the rights of others, or whose conduct or presence constitutes in any way a risk to the health, safety or general well-being of the College community.

EDUCATIONAL RECORDS

DEFINITIONS

Student Records

Student records include the records, files, documents and other material which contain information directly related to a student and which are maintained by the institution or by a person acting on behalf of the institution.

Academic Records

All collegiate work for which a student registers for credit toward the Morehouse degree constitutes a part of the academic record, unless dropped from his registration by the posted deadline.

THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

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

1. The right to inspect and review the student's education records within 45 days of the day the College receives a request for access. Students should submit to the registrar, divisional dean, academic department chair or other appropriate official, written requests that identify the record(s) they wish to inspect. The College official will make arrangements for access and notify the student of the time and place where the records may be inspected within 45 days from receiving request. If the records are not maintained by the College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment or correction of the student's education records that the student believes are inaccurate or misleading, or in violation of the student's privacy or other rights.

Students may ask the College to amend a record that they believe is inaccurate or misleading. They should write the College official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the College decides not to amend the records as requested by the student, the College will notify the student of the decision and advise the student of his right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosures without consent.

It is the intent of this institution to limit the disclosure of information contained in students' education records to those instances when prior written consent has been given for the disclosure.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
600 Independence Avenue, SW
Washington, DC 20202-4605

5. Students may obtain a copy of the FERPA written policies adopted by the College, in person or by mail from:

The Office of the Registrar
Morehouse College
830 Westview Drive, SW
Atlanta, GA 30314-3773

STUDENT ACCESS TO RECORDS

Students have the right to inspect and review the contents of their records. They also have the right to a hearing if they wish to correct or amend these records.

Records may be inspected only at the office responsible for maintaining the particular record in question. Each office has the responsibility for establishing its own access procedures, which must include a written request from the student.

The following records are excluded from student access:

1. Financial records of parents and any information contained in them.
2. Confidential letters or statements of recommendation written prior to January 1, 1975.
3. Personal medical and psychiatric treatment records prepared and used solely in connection with the treatment of students. Such records will be made available to other physicians upon the student's request.
4. Personal notes kept by faculty members, deans or counselors for their own use in their individual capacities, and which are kept in their own personal files.

RELEASE OF RECORDS

Information other than directory information shall not be released without the student's written request, except for the following purposes:

1. To school officials who have a legitimate interest in the material.
2. To officials of other schools or school systems in which the student wishes to enroll.
3. In connection with a student's application for or receipt of financial aid.
4. To state and local officials if required by law adopted before November 19, 1974.
5. To organizations conducting studies for or on behalf of educational agencies, provided such studies will not permit identification of students and their parents.
6. To accrediting agencies to carry out their accrediting functions.
7. To parents of dependent students.
8. In compliance with a judicial order or lawfully issued subpoena, with the condition that the College will make reasonable effort to notify the student before compliance with the order or subpoena.

When consent is required, it must be in writing, signed and dated by the person giving consent, and shall include the following:

1. Specification of record to be released.
2. Reason for release.
3. Names of parties to whom record should be released.

A record will be kept of the parties who have received access to a student's record, except for the exceptions noted above. The student may have access to this record.

Directory Information. Information furnished to other individuals and organizations will be limited to items listed below, unless accompanied by a release signed by the student:

1. Whether or not student is enrolled.
2. Dates of enrollment.

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3. Classification.
4. Degree earned (if any) and date.
5. Major.
6. Honors received.
7. Local and home addresses and telephone numbers.
8. Weight and height of athletes.
9. Most recent previous school attended.
10. Date and place of birth.
11. Participation in officially recognized activities and sports.
12. Photographs.
13. Class schedule.
14. E-Mail address.

Directory information cannot include student identification numbers or social security numbers. If a student does not wish to have any of the above information released, he should notify all offices concerned.

RECOGNITION OF ACADEMIC ACHIEVEMENT

SEMESTER HONOR ROLL AND DEAN'S LIST

Each student who, at the end of the semester, has attained a grade-point average of 3.0 or higher, shall have his name appear on the honor roll for that semester. To be eligible for this honor, the student must have completed a minimum of 15 semester hours in graded courses, and shall have earned no grade lower than C. (*Note:* Remedial coursework is not included in determination of recognition of academic achievement).

Full-time students in residence more than one semester must maintain a cumulative grade-point average of 3.0 with no grade lower than C, in order to be accorded dean's list honors.

At the discretion of the senior vice president for academic affairs, the names of students receiving either honor roll or dean's list honors may be announced in an appropriate manner.

DEPARTMENTAL HONORS PROGRAM

This program is based largely on departmental seminars that each department requires of its seniors. Seniors must have at least a 3.0 average in their major before they are eligible to apply for departmental honors. They must graduate with general honors if they are to also qualify for departmental honors. Requirements for departmental honors vary with each department and involve comprehensive written or oral reports, extra research and some independent study.

HONOR GRADUATES

Any student who completes degree requirements will be eligible for graduation honors on the basis of his cumulative grade-point average. Morehouse College awards Latin honors based on all course work completed at the College. *Cum laude* requires a cumulative grade-point average of 3.00-3.50; *magna cum laude* requires a cumulative grade-point average of 3.51-3.80; and *summa cum laude* requires a cumulative grade-point average of 3.81-4.00.

PROGRAMS OF STUDY

Morehouse College offers programs of study leading to the bachelor of arts and bachelor of science degrees. The typical program of study consists of three components: (1) the core curriculum, (2) the major sequence and (3) free electives. Coursework in the core curriculum and the major sequence is prescribed. The student must choose the additional courses he wishes to take as free electives. In choosing free electives, the student has the option of pursuing a minor concentration or taking an unstructured aggregation of courses. For graduation purposes, the sum of credits earned in core curriculum, major, and free elective courses must be equal to or greater than 120 semester hours.

ACADEMIC DIVISIONS AND DEPARTMENTS

Programs of study at Morehouse are organized into the academic divisions and departments listed below:

DIVISION OF BUSINESS AND ECONOMICS

Department of Business Administration
Department of Economics

DIVISION OF HUMANITIES AND SOCIAL SCIENCE

Department of English
Department of Health and Physical Education
Department of History
Department of Modern Foreign Languages
Department of Music
Department of Philosophy and Religion
Department of Political Science
Department of Sociology
African American Studies Program
Caribbean Studies Program
Criminal Justice Program
International Studies Program
Urban Studies Program

DIVISION OF SCIENCE AND MATHEMATICS

Department of Biology
Department of Chemistry
Department of Computer Science
Department of Mathematics
Department of Physics
Department of Psychology
Environmental Studies Program
Neuroscience Program
Public Health Sciences Program
Telecommunications Program

MAJORS

The College offers 26 disciplinary or interdisciplinary majors. At Morehouse, majors require from 24 to 60 semester hours, with no grade below C in courses designated for the major. The following majors are offered at Morehouse College:

- African American Studies
- Biology
- Business Administration–Accounting
- Business Administration–Finance
- Business Administration–Management
- Business Administration–Marketing
- Chemistry
- Computer Science
- Economics
- Engineering (Dual Degree)
- English
- French
- Health and Physical Education
- History
- International Studies
- Mathematics
- Music
- Philosophy
- Physics
- Physics (Applied)
- Political Science
- Psychology
- Religion
- Sociology
- Spanish
- Urban Studies

By the end of his sophomore year, every student is expected to have officially declared his major, i.e., completed a “Declaration of Major” form and submitted it to the registrar.

Students wishing to undertake double majors may do so only with approval of the two department chairpersons concerned. The student must satisfy the requirements of both departments as well as all core curriculum requirements. In most instances, carrying a double major will necessitate completing more than the 120 semester hours normally required for graduation.

In addition to the majors offered at the College, Morehouse students may pursue other approved majors offered at other colleges and universities with which Morehouse has cross- registration and articulation agreements. Majors in art, drama and education are available for Morehouse students at Spelman College. A major in engineering is also available to Morehouse students through a dual degree engineering program that is affiliated with several schools of engineering. The student who wishes to enroll in one of these majors must have his program of study approved in advance by the appropriate Morehouse faculty adviser. The student must satisfy the host institution’s requirements for the major sequence and all of the remaining Morehouse requirements for graduation.

MINORS

While not required for graduation, the student may select a minor concentration from those listed below. The minor must be approved by the student's major adviser and the chairperson of the department offering the minor. Minors require from 12 to 21 semester hours, with no grade below C in the courses designated for the minor.

Biology
Criminal Justice
Economics
English
Environmental Studies
French
German
History
Mathematics
Music
Neuroscience
Philosophy
Psychology
Public Health Sciences
Religion
Sociology
Spanish
Telecommunications
Urban Studies

REQUIREMENTS FOR GRADUATION

In order to earn a bachelor's degree from Morehouse College, a student must satisfy the following requirements:

1. File a timely application for graduation (satisfying the dates specified by the registrar).
2. Successfully complete a minimum of 120 semester hours of non-repeat courses (exclusive of courses numbered below 100).
3. Successfully complete the College's core curriculum.
4. Successfully complete an approved major concentration sequence.
5. Present a cumulative grade point average of 2.00 or higher.
6. Complete at least two years of coursework (a minimum of 60 semester hours) in residence at Morehouse College.
7. Be in good standing at the College.
8. Fulfill all financial obligations to the College.

A student will not be permitted to participate in commencement exercises until he has satisfied all requirements for graduation.

CORE CURRICULUM REQUIREMENTS

The core curriculum consists of 53 semester hours of required coursework in the humanities, mathematics, natural sciences and social sciences plus a set of other educational experiences, which, all together, are intended to produce learning outcomes in the following areas: critical thinking, analytical abilities and problem-solving; citizenship; communication; ethical judgement and behavior; knowledge of the natural world; leadership; understanding social institutions; aesthetic experience; the African American experience; philosophy and religion; and the interdependence of nations and cultures.

English Composition (6 or 3 hours)

- ENG 101-102 English Composition
- ENG 103 English Composition (for students who present highest scores on the official placement examination)

All students must satisfy the core curriculum requirement in composition by one of the following methods, which depend on placement scores at time of admission to the College: a two-semester sequence, ENG 101-102, or a one-semester course, ENG 103. A grade of C or above is required for successful completion of each of these courses (101,102,103) which are prerequisite for all other courses in the English curriculum.

Literature

- ENG 250 World Literature I

History

- HIS 111 World History: Topical Approaches
- HIS 112 World History: Topical Approaches

Mathematics

Students must complete two of the four courses listed below. The combination must be either 100 and 140 (for non-science, non-engineering and non-business students); 140 and 142 (for non-science, non-engineering and non-business students); or 100 and 154 (for science, engineering and business students). Other sequences (154-252, 250-260, 251-252) may satisfy the core requirements. All additional sequences must be approved by the mathematics department.

- MAT 100 College Algebra
- MAT 140 Finite Mathematics
- MAT 142 Applied Finite Mathematics
- MAT 154 Precalculus

Modern Foreign Language

- MFL 201-202 6 Hours (Intermediate Level)
French, Spanish, German, Swahili, Japanese, Russian

Humanities

Students will take four courses from among those listed below. Not more than one course may be taken from any one discipline.

- REL 201 Introduction to Religion
- PHI 201 Introduction to Philosophy
- PHI 302 Introduction to Philosophical Ethics
- MUS 111 Masterpieces of Music

MUS 114 African American Music: Composers and Performers
MUS 116 The Oral Tradition in African American Folk Music
MUS 203 Introduction to Church Music
MUS 310 History of Jazz
MUS 404 Survey of African American Music
ART 110 Survey of Visual Arts
ART 140 Introduction to African American Art

Science

BIO 101 Biological Science
PHY 101 Physical Science

Social Sciences

Students must complete two courses from among those listed below.

ECO 201 Principles of Economics (Macro)
ECO 202 Principles of Economics (Micro)
PSC228 Comparative Politics
PSC 285 Introduction to International Relations
PSC 251 National Government
PSC 252 State and Local Government
UST 261 Introduction to Urban Studies
UST 262 Introduction to Urban Studies
SOC 101 Introduction to Sociology
SOC 103 Social Problems
SOC 202 Cultural Anthropology
SOC 206 Social Psychology
SOC 215 Criminology
SOC 255 The Family
SOC 256 Men in Society
SOC 259 Women in Society
PSY 101 Psychology as a Social Science
PSY 260 Psychology of the African American Experience
PSY 287 Developmental Psychology

Students pursuing a B.S. degree must complete two introductory courses from two different science departments. Students in mathematics, biology, chemistry, physics, computer science or engineering must select two courses from departments other than their major department.

Health and Physical Education

Students must complete two of the courses listed below. Students must have the chairperson's approval to enroll in HPED 155 or HPED 156.

HPED 150 Golf and Fitness
HPED 151 Aquatics and Fitness
HPED 152 Badminton and Fitness
HPED 153 Basketball and Fitness
HPED 154 Tennis and Fitness
HPED 155 Fitness for the Non-Traditional Student
HPED 156 Individualized Fitness for the Non-Traditional Student

CROWN FORUM

A student must earn a P or "pass" grade in Freshman Assembly (EDU 153-154), Sophomore Assembly (EDU 251-252) and Junior Assembly (EDU 353-354). In order to earn a P in an assembly, a student must attend a minimum of six (6) Crown Forum events. Crown Forum is a series of special events and presentations that celebrates the great heritage and traditions of Morehouse College, bonds students to each other and to a common humanity, heightens sensibility to the spiritual and to their inner selves, increases appreciation of the aesthetic and sharpens intellectual and critical faculties.

FRESHMAN ORIENTATION

Freshmen must earn a P or "pass" grade in each semester of this two-semester (EDU 151-152) orientation to academic and social life at Morehouse.

COMPUTER COMPETENCY

By the end of the junior year, each student must demonstrate competency in the basic use of computers by (a) passing BUS 322, CSC 101 or higher level computer sciences courses or (b) performing the following set of hands-on tasks in a computer lab setting: use the basic terminology of computer technology, create and edit documents using a word processor, create on-line presentation materials, create tables and charts, create a personal database, exchange e-mail with others, and use a web browser to locate resources of interest.

MAJORS AND MINORS: REQUIREMENTS AND COURSE DESCRIPTIONS

AFRICAN AMERICAN STUDIES

THE MISSION

The primary mission of the African American Studies Program (AASP) in the Department of History is to provide an academic and scholarly course of study centered on the black male that will enlighten both scholars and laymen, and affirm black males. The ultimate mission of the AASP is to provide an academic course of study that leads to a baccalaureate degree in the discipline which prepares the students who major or minor in the field for a life of rewarding and fulfilling work. Professionals and amateurs, both in and out of the race and gender, must learn about black men and their world in all of its varied aspects. Toward this goal, the AASP will become a documentary center for information on the black male that will be available to serious scholars and interested laymen alike. Students of African American Studies, while at Morehouse and after they graduate, will contribute to the betterment of humankind through professional work and community service.

DESCRIPTION

The African American Studies major is holistic (multidisciplinary/interdisciplinary) and serves as an undergraduate foundation for students who wish to pursue graduate work in history, art, economics,

English, government affairs, international studies, journalism, music, political science, psychology, religion, sociology, cinema, mass communications and drama/theater. African American Studies also provides a strong liberal arts underpinning for students who plan to earn professional degrees in law, health professions and technology.

The major in African American Studies directly relates to the mission of Morehouse College in that it assumes a special responsibility for teaching students about the history and culture of black people; and encourages students to appreciate the ideals of brotherhood, equality, spirituality, human values and democracy. Special emphasis will be given the culture of black males, including their history and philosophy, arts and letters, science and medicine, economics and politics, and social behavior and athletics. It also teaches students to think clearly and critically, to make logical and ethical judgments, and to communicate effectively with others. African American Studies searches for truth as a liberating force and provides an environment which encourages students to develop a zest for living, learning and contributing as men in society.

The African American Studies major actualizes the educational mission of Morehouse College to teach its students to appreciate the past, especially the foundations of civilization and the shaping of the modern world; to appreciate cultures other than one's own; and to judge with heightened perception, knowledge and understanding the peoples, events, discoveries, political thought, economic theories and geographical factors that have shaped the way we live.

The mission of the Department of History, host of the African American Studies Program, is also undergirded by the major in the discipline. The African American Studies major prepares students to become better citizens and leaders in society; prepares students to go to graduate and professional school, and to enter the world of work; provides a course of instruction which aids students to better appreciate the world in which they live, how it works, and the dynamics of social change; emphasizes the cultural heritage of black people and prepares students to attain an informed, scholarly understanding of this legacy; enhances the ability to understand and coordinate knowledge from other disciplines; reinforces the students academic skills — reading, writing, speaking, listening, researching and reasoning; and strongly encourages a commitment to community service.

The African American Studies Program teaches the seven skills required by Morehouse College. These skills are critical thinking, creative thinking, effective writing, effective oral communication, value awareness, computer literacy and quantitative analysis.

African American Studies at Morehouse College gives the students who study here another option among many quality majors from which they may launch a professional or service career.

OUTCOMES

The student who majors, or minors, in African American Studies at Morehouse College is expected be able to recall major events, dates and persons in the chronology of the African American experience, especially black history; manifest an appreciation for the totality of the black experience; show the linkage between the African legacy, European history and the African American experience; give evidentiary demonstrations of how the experiences of African Americans are linked to the experiences of other blacks in the African Diaspora; and show how the experiences of blacks have been an integral part of American and world history. The student should be able to negotiate the holistic/interdisciplinary relationship among the historical, psychological, religious, sociological, aesthetic/literary, linguistic, economic, political, medical, scientific, technological and athletic areas of black life.

Graduates of African American Studies at the College are expected to be able to read comprehensively, write lucidly and cogently, speak effectively, listen intently, research thoroughly and reason logically. Upon

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completion of the major in African American Studies, it is expected that graduates will enter graduate or professional school, or the world of work. All graduates of the discipline are expected to continue their involvement in community service.

THE MAJOR REQUIREMENTS

A total of sixty (60) hours are available to the major in African American Studies at Morehouse College. Thirty (30) of these hours will come from designated or required courses; twenty-one (21) will come from the recommended courses that are made public each semester; and there are nine (9) free electives, which allows the major to have greater focus on an academic area within the discipline of African American Studies.

REQUIRED COURSES SEQUENCE FOR THE MAJOR

Freshman Year: In the first semester, take AAS 100, Introduction to African American Studies; and in the second semester take AAS 200, Theories of Afrocentricity. All majors should take the prescribed course sequence to satisfy the core requirements for graduation from the College including Freshman Orientation and Freshman Assembly.

Sophomore Year: In the first semester, take HIS 257, History of Africa to 1800; HIS 221, African American History to 1865; and ENG 380, Survey of African American Literature I. In the second semester, take HIS 258, History of Africa since 1800; HIS 222, African American History since 1865; and ENG 480, Survey of African American Literature II. Majors should continue to take the required core curriculum, including Sophomore Assembly.

Junior Year: In the first semester, majors should take HIS 361, History of the African American Church, and at least two approved electives. Majors should continue to complete the core course requirements, including Junior Assembly. In the second semester, majors should take three approved electives and Junior Assembly.

Senior year: In the first semester, take AAS 400, The Practicum; the final approved elective; and two free electives. Majors should take any remaining courses from the required core curriculum. In the second semester, take AAS 401, The Practicum; the final free elective; and any other courses that need to be taken in order to meet the requirements for graduation from the College.

All approved electives will be made public in the course offerings at Morehouse College and the other colleges in the Atlanta University each semester. The approved electives are predicated on what affiliated departments and the appropriate departments at other schools offer each semester.

THE MINOR IN AFRICAN AMERICAN STUDIES

A total of eighteen (18) hours are required for the minor in African American Studies. Twelve (12) of these hours are required courses, and they are: AAS 100, Introduction to African American Studies; AAS 200, Theories of Afrocentricity; HIS 221, African American History to 1865; and HIS 222, African American History since 1865. The remaining hours are approved electives.

ART

ART (ART)

110. Survey of Visual Arts

3 hours

Introductory art appreciation course, including a brief chronological history of art. Major emphasis placed on the visual elements of art, principles of design, material elements of art, principles of design, material and techniques used in creating art.

BIOLOGY

Through its academic program, the Department of Biology seeks to educate students to think and communicate logically and to assume a responsibility for their continued education, whether formal or informal.

Considerable emphasis is placed on preparing students for graduate work in various areas of biology. This is facilitated through formal courses, laboratories and seminars in a broad range of subjects, which present principles, facts and concepts of biology. Since biology is an experimental science, the department seeks to provide opportunities for students to participate in research during the academic year and summer.

The department recognizes a particular responsibility to prepare students for careers in medicine, dentistry and other health professions, and cooperates with other departments in providing a strong foundation for these professions.

A special responsibility is also recognized in the education of students who have potential to do college work, but who have had inadequate secondary school backgrounds. In this regard, the first course in biology is designed to meet individual student needs.

REQUIREMENTS FOR A MAJOR IN BIOLOGY

A total of 33 semester hours in biology, including BIO 111-112, 220, 251, 312, 315, 316, 320, 425 and three (3) semester hours from the following elective courses: BIO 201, 213, 240, 321-322, 330, 340, 381-382, 427, 450, 451, 461, 471, 477, or 497, are required of a biology major. Also included among the 33 hours above are three laboratory courses beyond General Biology laboratory (Bio. 111-112). Majors must choose one laboratory course from each of the following three groups. Each laboratory course must be taken at the same time as the corresponding lecture course.

Cell Biology

- | | |
|----------|-------------------------------------|
| BIO 251L | Cell Biology Laboratory |
| BIO 316L | Principles of Physiology Laboratory |

Molecular Biology

- | | |
|----------|---------------------------------------|
| BIO 312L | Molecular Genetics Laboratory |
| BIO 315L | Principles of Biochemistry Laboratory |

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Environmental Biology

BIO 220L Plant Sciences Laboratory

BIO 320L Ecology Laboratory

In addition to the listings above, the following courses must be completed successfully: CHE 111-112, 231-232; MAT 251-252; and PHY 151-152.

Biology electives may be taken at other institutions during the academic year or summer, provided that prior approval is granted by the Biology Department chairperson.

Speech Requirement

Biology majors must satisfy this requirement by taking either Principles of Speech Communication (ENG 350) or Professional Communication (ENG 351).

Minor Requirements

The Department offers a traditional Biology minor as well as several minors that are multidisciplinary. The requirements for all minors are described below:

1. Traditional Biology Minor

In order to complete this minor, sixteen hours of Biology Courses, including Biology 111–112, are required.

2. Minor in Environmental Studies, Neurosciences or Public Health. See appropriate sections of the catalog.

ADVANCED PLACEMENT CREDIT

A student who has successfully completed an AP Biology Course in high school and scored at least four (4) on the Advanced Placement Test in Biology administered by the College Board will, upon consultation with the Department Chairperson, be exempted from the first semester of General Biology (111) and will receive four hours of credit.

DEPARTMENTAL HONORS

A student majoring in biology may be recommended for Departmental Honors by completing the following requirements: eligibility for college honors, an average of B or above in the required biology courses and electives, and successful completion of a research project which is described in a senior thesis and defended before the department faculty in a seminar. In cases where the thesis adviser is at another institution, students must have a co-sponsor from the Morehouse Department of Biology faculty. Application deadlines and detailed guidelines are available from the chairperson. The requirements for honors in biology are still under review by the faculty, and are subject to change in subsequent years.

COURSE SEQUENCE FOR MAJORS IN BIOLOGY

The following is a suggested course sequence; however, other course sequences are permissible with the approval of your departmental adviser. The required laboratory courses are not shown. In all cases, students should arrange their course sequence in sessions with their advisers.

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 100	3	MAT 154	3
Foreign Language	3	Foreign Language	3
HIS 111	3	HIS 111	3
BIO 111	4	BIO 112	4
HPED	1	HPED	1
Total	17 hours	Total	17 hours
Sophomore Year			
BIO 251*	3	BIO 220*	3
CHE 111	4	CHE 112	4
MAT 251	4	MAT 252	4
BIO 201 (Elective)	1	Humanities	3
ENG 250	3	SOC SCI	3
SOC SCI	3		
Total	18 hours	Total	17 hours
Junior Year			
BIO 312*	3	BIO 315*	3
CHE 231	4	CHEM 232	4
PHY 151	4	PHY 152	4
BIO 321	1	BIO 322	1
ENG 350 or 351	3	Humanities	3
Humanities	3		
Total	18 hours	Total	15 hours
Senior Year			
BIO 316*	3	BIO 320*	3
BIO 425	1	BIO Elective	3 (at 1)
Humanities	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3		
Total	13 hours	Total	12 hours

*These lecture courses have associated laboratory courses.

Biology Electives:

BIO 201	Intermediate Seminar
BIO 213	Introduction to Biological Research
BIO 240	Introduction to Public Health Sciences
BIO 317	Principles of Neurobiology
BIO 321-322	Special Topics
BIO 330	Introduction to Epidemiology
BIO 340	Biostatistics
BIO 427	Histology
BIO 450	Public Health Sciences Seminar
BIO 451	Cellular Genetics
BIO 461	Advanced Biochemistry
BIO 471	Principles of Animal Development

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BIO 477	Invertebrate and Vertebrate Comparative Anatomy
BIO 381-382	Biological Research
BIO 497	Environmental Biology

BIOLOGY (BIO)

101. Biological Science For Non-Majors **3 hours**
Aims at providing students with an understanding of the diversity of living things, their special adaptations to the environment, and their evolutionary and ecological relationships. Course content includes: cell structure and function; function of biomolecules; principles of genetics, ecology and evolution; plant development and adaptation; and the function of selected organ systems. In addition to the lecture section, this course has a required laboratory component. The course is a core requirement for non-biology majors.

111-112. General Biology **8 hours**
Required of all biology majors and pre-health professional students. Study of the anatomy, morphology, physiology, molecular biology, ecology, heredity, evolution and interrelationships of life

123. Mind and Brain **3 hours**
This course is designed to provide an overview of scientific study of the brain, focusing on topics of broad interest. Material will be presented by the course director as well as several neuroscientists from other institutions who will, as guest lecturers, present material related to their expertise and research. Course topics include Drugs and the Brain, Mental Health and Emotion, Appetite and Eating, Philosophy of Mind, Memory, Attention and Thought, the Neuroscience of Aging, Artificial Intelligence, and Language and Communication.

201. Intermediate Biology Seminar **1 hour**
Constructed around selected topics in biology in which students present seminars. *Prerequisites: BIO 111-112.*

213. Introduction to Research **1 hour**
Aimed at familiarizing students with the basic methods used to investigate a problem in science. Emphasis is placed on the scientific method, analysis and interpretation of data and on scientific writing and reporting. Primarily for freshmen and sophomores who have had limited exposure to research. *Prerequisite: Consent of instructor.*

220. Plant Sciences **3 hours**
Study of plant biology at all levels of analysis. Topics include morphology and diversity, evolution and systematics, physiology, biochemistry, genetics, development, reproduction, and ecology. Differences and similarities between plant and animal biology, and the dependence of animals on plants will be emphasized. *Prerequisites: BIO 111-112.*

220L. Plant Sciences Laboratory **1 hour**
Emphasizes experiments and demonstrations on the subjects of plant diversity and anatomy, systematics, biochemistry, physiology, genetics, development, ecology, evolution and reproduction.

240. Introduction to Public Health Sciences **3 hours**

Designed to give students a strong foundation in the administration and practice of public health; to provide an understanding of the technical, social and political parameters surrounding public health research and practice. Includes a lecture series, field trips to local, state and federal agencies and services, and a research project. This course is identical to PSY 240.

251. Cell Biology **3 hours**

Examines the molecular mechanisms responsible for cell function, including: the anatomy and biochemistry of cellular organelles; the structure and function of macromolecules; and the control of cellular biochemistry and energy production. *Prerequisite: BIO 111-112.*

251L. Cell Biology Laboratory **1 hour**

Designed to acquaint students with techniques in the field of cell biology, including cytochemical procedures, methods for fractionating organelles and macromolecules, and specific biochemical assays for characterizing macromolecules. *Must be taken concurrently with BIO 251.*

312. Molecular Genetics **3 hours**

Focuses on the basics of genetics and integrates classical with molecular genetics. Examines the structure, composition and replication of the genetic material; gene expression through transcription, RNA processing and translation; regulation of gene activity; the nature of mutations; and the applications of recombinant DNA technology. *Prerequisites: BIO 111-112, and CHE 111.*

312L. Molecular Genetics Laboratory **1 hour**

Laboratory designed to complement BIO 312 lecture. Experiments are designed to demonstrate the repertoire of molecular techniques and concepts that are applied to explore fundamental biological principles. *Must be taken concurrently with BIO 312.*

315. Principles of Biochemistry **3 hours**

Study of the molecules of living organisms, their interactions in metabolism, and metabolic regulation. Proteins, lipids, carbohydrates, enzymes, and vitamins will be among the molecules examined. *Prerequisites: BIO 111-112, 251; CHE 111-112, 231.*

315L. Principles of Biochemistry Laboratory **1 hour**

Experiments and exercises designed to demonstrate the basic methods and concepts of modern experimental biochemistry. *Must be taken concurrently with BIO 315.*

316. Principles of Physiology **3 hours**

Comprehensive in-depth examination of the basic principles and methods of human physiology. Emphasis will be placed on the structural-functional relationships of the body's organ systems. *Prerequisites: BIO 111-112, 251, 312; CHE 111-112, and CHE 231.*

316L. Principles of Physiology Laboratory **1 hour**

Exercises are designed to illustrate how the human body works, as well as to enhance one's ability to think and reason scientifically. The student will utilize the scientific method in compiling and handling quantitative data while developing skills in utilizing instruments for making physiologic measurements. *Must be taken concurrently with BIO 316.*

317. Principles of Neurobiology **3 hours**

This class is a broad overview of the nervous system. It will be divided into three parts. The first section covers cellular and molecular neurobiology and examines the physiology of nerve transmission including

the electrical properties of neurons. The second part addresses the function of the sensory and motor systems which allow us to perceive and manipulate the world around us. The third part of the class focuses on behavioral and clinical neurobiology, including discussions of learning and memory, mood, emotion and consciousness. *Prerequisites: BIO 111-112, 251 or consent of instructor.*

320. Ecology **3 hours**

Comprehensive introduction to the science of ecology, the study of interactions between organisms and their environment. All major areas of ecology are considered in depth, including: environmental limiting factors on plants and animals; population growth and demography; evolutionary ecology; interactions between organisms such as competition, predation and mutualism, community and ecosystem ecology; and global systems ecology. *Prerequisites: BIO 111-112.*

320L. Ecology Laboratory **1 hour**

Designed to acquaint the student with modern experimental techniques in ecology, and will require that students use observation and data evaluation skills in analyzing natural ecological processes. *Must be taken concurrently with BIO 320.*

321-322. Special Topics in Biology **1 hour**

Designed to acquaint the student with various tools involved in critical thinking, inquiry and problem-solving which aid in his attempt to maximize speed of review and learning necessary for success on the MCAT, DAT, and GRE. A comprehensive review of biology, chemistry, physics, and mathematics is included. *Prerequisite: Consent of instructor.*

330. Introduction to Epidemiology **3 hours**

Study of the distribution and determinants of health-related states and events in populations with a view toward identifying the etiology of diseases. Includes fundamental strategies for epidemiological research, the framework for assessing valid statistical associations and making judgments of causality, measures of disease frequency and association, detailed discussions of the various types of study designs, analysis and interpretation of epidemiological data, and methods for the evaluation and control of chance, bias and confounding in assessing the presence of a valid statistical association.

340. Biostatistics **3 hours**

Designed for applications of statistics in the biomedical and health sciences. Introduces parametric and non-parametric statistical methodology, including descriptive measures, elementary probability, estimation and hypothesis testing, correlation, regression, and single factor analysis of variance. Underlying theory is empirically demonstrated utilizing biomedical applications. Computer based statistical analysis is used throughout.

381. Biological Research **2 hours**

Laboratory biological research under the direction of a faculty member. Designed for the student who is seriously interested in investigating a problem in biology. *Prerequisite: Introduction to Research 213 or consent of the departmental chairperson.*

382. Biological Research **3 hours**

Designed for the student who desires to continue an investigation which was initiated in BIO 361. *Prerequisite: BIO 381.*

425. Senior Seminar **1 hour**

Capstone experience which provides an opportunity for students to demonstrate a knowledge of the primary concepts and techniques of modern biology in critically analyzing a paper from the primary litera-

ture. A second objective is to teach students how to present a seminar based on a research article. *Prerequisite: Senior standing or consent of the department chairperson.*

427. Animal Histology **4 hours**

Tissues of vertebrates; microscopic techniques. *Prerequisite: BIO 251.*

450. Public Health Sciences Seminar and Practicum **3 hours**

Designed to provide students with: (1) a forum for discussion and critical analysis of contemporary health service issues and (2) a practical experience in a health service agency. A major research project is required of all students enrolled. *Prerequisite: BIO 240. This course is identical to PSY 450.*

451. Cellular Genetics **3 hours**

Discusses mechanisms of differentiation and eukaryotic gene expression. In addition to the lectures by the instructor, seminars based on articles from scientific journals will be presented by students. *Prerequisites: BIO 111-112, 212, 315.*

461. Advanced Topics in Biochemistry **3 hours**

Special topics in biochemical research concerning selected areas of biochemistry dealt with in BIO 315. In addition to lectures by the instructor, seminars based on articles from scientific journals will be presented by students. *Prerequisites: BIO 251, 312, 315, and CHE 231-232.*

471. Principles of Animal Development **3 hours**

Description of the key events in early development and their regulation. Topics include gametogenesis and fertilization; morphogenetic movements and establishment of three germ layers; gene control of determination and differentiation; inductive interactions; and intercellular adhesion and morphogenesis. *Prerequisites: BIO 111-112, 312, 315.*

477. Invertebrate and Vertebrate Comparative Anatomy **3 hours**

Comprehensive introduction to the diversity of animals. Emphasis placed on comparative morphology and the relationships between form and function. Trends in physiology, development and ecology will be examined to inform an evaluation of adaptation and evolutionary relationships. *Prerequisites: BIO 111-112.*

477L. Invertebrate and Vertebrate Comparative Anatomy Laboratory **1 hour**

Work, including dissections, with both live and preserved specimens will be conducted to observe the characteristics of a broad range of protista and animals. *Must be taken concurrently with BIO 477. Prerequisites: BIO 111-112.*

497. Environmental Biology **3 hours**

Addresses current environmental problems and research on such problems. Topics include: population growth, air and water quality, water resources, energy resources, food production, natural resources and waste disposal, and global climate change. *Prerequisite: BIO 320 or consent of instructor.*

BUSINESS ADMINISTRATION

MISSION AND OBJECTIVES

The vision of the management education program at Morehouse is service to humanity through excellence in business leadership. The mission of the Bachelor of Arts degree program in business administration is excellence in the preparation of students for business leadership. To achieve this mission, the Department of Business Administration prepares students to become successful managers and develops in students a leadership perspective.

To become successful managers, students should:

- Be able to think critically, understand the structure of logical argument, and organize and synthesize complex information.
- Develop effective communication skills.
- Be able to identify issues and problems where economic analysis applies and apply the appropriate analytical tools to those issues and problems.
- Understand the accounting process and be able to apply basic accounting principles and techniques to decision making.
- Understand basic statistical techniques and their appropriate applications.
- Understand basic quantitative analytical tools and their application to business decision making and problem solving.
- Understand the basic concepts and theories of organizational behavior.
- Understand basic marketing concepts and strategies and be able to apply them in decision making.
- Understand the nature of finance and be able to apply basic financial principles and techniques to decision making.
- Understand the strategic production process and efficient utilization of resources.
- Understand the international aspects of business.
- Be able to work as a member of a team as well as independently.
- Be able to work in and manage a diverse workforce.

To develop a leadership perspective, students should also:

- Demonstrate self-confidence and initiative.
- Develop ethical principles that are in keeping with the high standards expected of organizational executives.
- Demonstrate a commitment to community service.
- Understand the integration of general managerial skills into the functional areas of business.
- Understand how corporate vision and strategy are developed and maintained.
- Appreciate the perpetuation and propagation of corporate culture.
- Understand and appreciate the roles of the entrepreneur and the intrapreneur.

While the department places primary emphasis on student development, the intellectual contributions and service of the faculty are also valued. The intellectual contributions of business faculty are intended to enhance teaching effectiveness, improve business practices and advance knowledge in the business disciplines. At Morehouse, we believe that teaching effectiveness is enhanced by the intellectual growth accompanying applied and basic research, as well as by contributions in the area of instructional development.

DEPARTMENTAL HONORS

Students majoring in business administration may qualify to graduate with departmental honors by earning an overall GPA of 3.0 and a GPA of 3.25 in business administration courses completed in the department.

DEGREE REQUIREMENTS FOR BUSINESS ADMINISTRATION MAJORS

A business major's program of study consists of three components: the college-wide core curriculum (53 semester hours), the major (60 semester hours), and free electives (7 semester hours). All business majors must satisfactorily complete the following designated core curriculum courses: MAT 100 and MAT 154 (a student who places into a higher level of math should consult his adviser); ECO 201 and any three-semester-hour PSC (e.g., 251), PSY (e.g., 101) or SOC (e.g., 201) course for which the student satisfies prerequisites; and PHI 302. All business majors must also satisfactorily complete the following business core courses (39 semester hours): ECO 202, BUS 211, BUS 212, ECO 221, BUS 225, BUS 250, BUS 321, BUS 322, BUS 324, BUS 328, BUS 330, BUS 360 and BUS 422. Finally, all business majors must satisfactorily complete the following advanced skills courses: ENG 351 and MAT 250. Course requirements for the functional area concentrations in business are listed below.

For a concentration in accounting, the student must satisfactorily complete 15 semester hours consisting of the following courses: BUS 311, BUS 312, BUS 410, BUS 411 and BUS 412. Students interested in careers in public accounting should consult with the coordinator of the accounting program.

For a concentration in finance, the student must satisfactorily complete 15 semester hours consisting of the following courses: BUS 430, BUS 431, BUS 432, BUS 433 and one of the following electives designated for the finance concentration — BUS 311, BUS 345, BUS 434, BUS 442, BUS 470, BUS 471, ECO 302, ECO 304 or ECO 405. Students interested in careers in actuarial science, insurance, or real estate should consult with the coordinator of the finance program.

For a concentration in management, the student must satisfactorily complete 15 semester hours consisting of the following courses: BUS 450 and at least (1) course from (Group A and Group B). Group A: BUS 410, BUS 451, ECO 301 or ECO 403. Group B: BUS 452, BUS 453, BUS 454, BUS 455, BUS 456 or PSY 303.

For a concentration in marketing, the student must satisfactorily complete 15 semester hours consisting of the following courses: BUS 461, BUS 462, BUS 463 and any two of the following electives designated for the marketing concentration — BUS 453, BUS 464, BUS 466 or PSY 303.

All business majors are also subject to the following departmental policies:

1. A grade of C or higher is required for majors to satisfactorily complete all business core courses, concentration courses and electives designated for the concentration.
2. Students who enroll in BUS or ECO courses, the prerequisites for which they fail to meet, are subject to disenrollment by the department regardless of performance or time lapsed.
3. Business majors are not permitted to take more than 57 semester hours of BUS courses.

4. Not more than four business courses taken at other institutions will be accepted for credit toward the B.A. in business administration at Morehouse.

SUGGESTED COURSE SEQUENCES FOR BUSINESS MAJORS

See the following pages for the course sequences suggested for the accounting, finance, management, and marketing concentrations.

Accounting Concentration

		Freshman Year	
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 100	3	MAT 154	3
Foreign Language	3	Foreign Language	3
HIS 111	3	HIS 112	3
BIO 101	3	PHY 102	3
HPED	1	HPED	1
Total	16 hours	Total	16 hours
		Sophomore Year	
BUS 211	3	BUS 212	3
ECO 201	3	ECO 202	3
BUS 225	3	ECO 221	3
MAT 250	3	BUS 250	3
ENG 250	3	Art/Music/Religion	3
Total	15 hours	Total	15 hours
		Junior Year	
BUS 322	3	Social Science	3
BUS 328	3	BUS 321	3
BUS 311	3	BUS 312	3
BUS 330	3	BUS 360	3
ENG 351	3	PHI 302	3
Total	15 hours	Total	15 hours
		Senior Year	
BUS 410	3	BUS 411	3
BUS 412	3	BUS 422	3
BUS 324	3	Art/Music/Religion	3
Art/Music/Religion	3	Free electives	5
Free elective	2		
Total	14 hours	Total	14 hours

Finance Concentration

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 100	3	MAT 154	3
Foreign Language	3	Foreign Language	3
HIS 111	3	HIS 112	3
PHY 102	3	BIO 101	3
HPED	1	HPED	1
Total	16 hours	Total	16 hours
Sophomore Year			
BUS 211	3	BUS 212	3
ECO 201	3	ECO 202	3
ECO 221	3	BUS 225	3
BUS 250	3	MAT 250	3
ENG 250	3	Art/Music/Religion	3
Total	15 hours	Total	15 hours
Junior Year			
BUS 330	3	BUS 430	3
BUS 321	3	BUS 431	3
BUS 360	3	BUS 322	3
PHI 302	3	BUS 328	3
Social Science	3	ENG 351	3
Total	15 hours	Total	15 hours
Senior Year			
Art/Music/Religion	3	Art/Music/Religion	3
BUS 422	3	BUS 324	3
BUS 432	3	BUS 433	3
Fin. designated elective	3	Free electives	5
Free elective	2		
Total	14 hours	Total	14 hours

Management Concentration

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 100	3	MAT 154	3
Foreign Language	3	Foreign Language	3
HIS 111	3	HIS 112	3
BIO 101	3	PHY 102	3
HPED	1	HPED	1
Total	16 hours	Total	16 hours

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Sophomore Year			
BUS 211	3	BUS 212	3
ECO 201	3	ECO 202	3
BUS 225	3	ECO 221	3
MAT 250	3	BUS 250	3
ENG 50	3	Art/Music/Religion	3
Total	15 hours	Total	15 hours

Junior Year			
BUS 328	3	BUS 321	3
BUS 322	3	BUS 360	3
BUS 330	3	Mgt. Designated elective	3
Social Science	3	Mgt. Designated elective	3
ENG 351	3	PHI 364	3
Total	15 hours	Total	15 hours

Senior Year			
BUS 450	3	BUS 422	3
Mgt. Designated Elective	3	Mgt. Designated elective	3
BUS 324	3	Art/Music/Religion	3
Art/Music/Religion	3	Free electives	5
Free elective	2		
Total	14 hours	Total	14 hours

Marketing Concentration

Freshman Year		Freshman Year	
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 100	3	MAT 154	3
Foreign Language	3	Foreign Language	3
HIS 111	3	HIS 112	3
PHY 102	3	BIO 101	3
HPED	1	HPED	1
Total	16 hours	Total	16 hours

Sophomore Year			
BUS 211	3	BUS 212	3
ECO 201	3	ECO 202	3
ECO 221	3	BUS 225	3
BUS 250	3	MAT 250	3
ENG 250	3	Art/Music/Religion	3
Total	15 hours	Total	15 hours

Junior Year			
BUS 321	3	BUS 330	3
BUS 360	3	BUS 461	3
Social Science	3	BUS 322	3
PHI 302	3	BUS 328	3
Art/Music/Religion	3	ENG 351	3
Total	15 hours	Total	15 hours

Senior Year			
BUS 324	3	BUS 463	3
BUS 422	3	Mkt. Designated elective	3
BUS 462	3	Art/Music/Religion	3
Mkt. Designated elective	3	Free electives	5
Free elective	2		
Total	14 hours	Total	14 hours

BUSINESS (BUS)

211. Principles of Accounting I **3 hours**

Introduction to financial accounting emphasizing the accounting process, the collection and summarization of accounting data in journals and ledgers, and the reporting of business activity in financial statements. *Prerequisite: MAT 154 (C or better).*

212. Principles of Accounting II **3 hours**

Expanded coverage of the accounting for debt and equity financing and introductory study of managerial accounting techniques for cost control, budgeting, cost-volume-profit, and other economic business decisions. *Prerequisite: BUS 211 (C or better).*

220. COOP/Internship **3 hours**

Experiential learning in a structured business or business-related environment. Credit granted on a Pass/Fail basis. *Prerequisites: Status as a rising sophomore and department chairperson's approval.*

225. Legal Environment of Business **3 hours**

Main focus is on the government's attempt to regulate business through public law. An overview of social responsibility, ethics, policy, and economics as they relate to the regulation of business. *Prerequisite: ENG 102 or ENG 103 (C or better).*

250. Principles of Management **3 hours**

Deals with the purpose and responsibilities of business, legal forms and organizational structure, personnel function, industrial production, marketing, record keeping, business finance and its relationship to society. *Prerequisites: ENG 102 or ENG 103, ECO 201 or 202 and enrolled in BUS 211 (Cs or better).*

311. Intermediate Accounting I **3 hours**

A study of the underlying principles and theories of the matching of expenses and revenues to determine results of operations and financial position. Asset acquisition and valuation are emphasized. *Prerequisite: BUS 212 (C or better).*

312. Intermediate Accounting II **3 hours**

A continuation of Intermediate Accounting I with a concentration on long-term liabilities, earnings per share, tax allocation, pensions, leases, and the statement of cash flow. *Prerequisite: BUS 311 (C or better).*

320. COOP/Internship **3 hours**
Experiential learning in a structured business or business related environment. Credit granted on a pass/fail basis. *Prerequisites: Status as a rising junior and Department Chairperson's approval.*

321. Leadership and Professional Development **3 hours**
This course focuses on personal leadership, personal management and interpersonal leadership. Learning objectives are accomplished via group discussions, presentations, videos, case studies and guest lectures. *Prerequisite: BUS 250 and instructor's permission. (C or better).*

322. Management Information Systems **3 hours**
Study of the automated business environment and principles of systems analysis and design. The course covers software and hardware techniques of data processing, office automation, database management, decision support, and expert systems. Hands-on experience in micro-computer use is typically provided. *Prerequisite: BUS 250 (C or better).*

323. Comprehensive Business Law **3 hours**
An overview of private law topics such as contracts and the uniform commercial code, including contract formation, breach of contract and the available remedies; the sale of goods; the law of agency; transactions in commercial paper and secured transactions and bankruptcy. *Prerequisite: Instructor's permission.*

324. International Business **3 hours**
This course is designed to analyze the organizational, administrative marketing and financial aspects of multinational corporations. Factors related to the political, legal, economic and cultural environments will be emphasized as they strongly influence the nature of international business activity. *Prerequisites: BUS 250, BUS 330 and BUS 360 (Cs or better).*

328. Management Decision Science **3 hours**
A general approach to modeling for decision making. Students are introduced to quantitative models in the management decision-making process. *Prerequisite: ECO 221 (C or better).*

330. Corporate Finance **3 hours**
Introduction to the principles of finance and their application to the solution of financial problems. Topics include capital budgeting, short-term and long-term sources of funds, capital structure, and analysis of risks and returns. *Prerequisites: ECO 201, ECO 202, and BUS 212 (Cs or better).*

340. Risk and Insurance **3 hours**
Nature of risk as it impinges upon all personal financial and business decisions, insurance as formal risk-bearing mechanism is treated extensively, including measurement of risk, underwriting, and management of the insuring process. All types of personal and property risks are dealt with. *Prerequisites: ECO 201, ECO 202 and BUS 212 (Cs or better).*

360. Principles of Marketing **3 hours**
Systems approach to marketing, marketing methods, psychological and economic theories relevant to marketing, product development and strategies, distribution structures, promotional activities, and evaluation of marketing efforts. *Prerequisites: ECO 201, ECO 202 and BUS 212 (Cs or better).*

410. Cost Accounting **3 hours**
Explores techniques such as cost behavior patterns, standard costs, variance analysis, cost allocations and budgeting concepts. Emphasis placed on application of these techniques to managerial problems with respect to product and cost control. *Prerequisite: BUS 212 (C or better).*

411. Tax Accounting **3 hours**
Deals with theory and principles of taxation. Emphasis is placed on individual and corporate taxation. Part of the course will deal with specific cases as they may apply to individuals and corporations. *Prerequisites: BUS 212 (C or better).*

412. Auditing **3 hours**
Deals with the principles and practices of conducting an internal and independent audit. It also covers the standards by which a system of audit and controls is established. *Prerequisite: BUS 312 (C or better).*

413. Advanced Accounting **3 hours**
Explores accounting theory and practice used in the formation, maintenance, expansion, contraction, and liquidation of various forms for business organizations. Also includes a study of selected special topics. *Prerequisite: BUS 312 (C or better).*

414. Special Topics in Accounting **3 hours**
An occasionally offered advanced-level course covering topics in accounting not covered or not covered in depth by regularly offered accounting courses. Typically taught in a seminar format. *Prerequisite: Instructor's permission.*

420. COOP/Internship **3 hours**
Experiential learning in a structured business or business-related environment. Credit granted on a Pass/Fail basis. *Prerequisites: Status as a rising senior and department chairperson's approval.*

421. Directed Reading in Business **3 hours**
Directed and intensive study in a special area of business. *Prerequisite: Permission of department chairperson.*

422. Business Policy **3 hours**
Designed to demonstrate the influence that organizational policy has on all phases of business operation. Emphasis on interrelationship that exists between the organization and its environment. *Prerequisites: BUS 330, 250, and 360 (Cs or better).*

430. Investment Finance **3 hours**
Introduction to different securities markets, transactions costs, and security regulations. Basic techniques for analyzing expected returns and risk of individual securities and for efficiently combining them into portfolios. *Prerequisite: BUS 330 (C or better).*

431. Management of Financial Institutions. **3 hours**
Intermediation process and managerial policies and decision making within financial institutions. The regulatory environment in which these firms operate and public policy issues are analyzed. *Prerequisite: BUS 330 (C or better).*

432. Advanced Corporate Finance **3 hours**
An extension and application of the concepts introduced in the introductory corporate finance course, BUS 330. Analytical skills are developed through the use of problems and cases. *Prerequisite: BUS 330 (C or better).*

433. Seminar in Finance **3 hours**
Capstone course for business majors concentrating in finance. Primary objectives are the discussion of

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financial policy through case analysis and the treatment of advanced finance topics. *Prerequisites: Senior status, BUS 430 (C or better).*

434. Special Topics in Finance **3 hours**
An occasionally offered advanced-level course covering topics in finance not covered or not covered in depth by regularly offered finance courses. Typically taught in a seminar format. *Prerequisite: Instructor's permission (C or better).*

442. Special Topics in Insurance **3 hours**
An occasionally offered advanced-level course covering topics in insurance not covered or not covered in depth by regularly offered insurance courses. *Prerequisite: Instructor's permission (C or better).*

443. Managerial Insurance **3 hours**
A study of the management of life and non-life insurance companies as financial institutions, with particular emphasis on strategic planning. *Prerequisites: BUS 330 and 340 (Cs or better).*

450. Organizational Behavior **3 hours**
Development of both conceptual knowledge and practical skills in dealing with behavior in formal organizations. Through readings, case and task groups, students develop understanding of behavior; they also develop skill in perceiving, diagnosing and responding to behavior at several levels, ranging from the individual to the organization as a whole. *Prerequisites: ENG 102 or ENG 103; BUS 250 and BUS 212 (C or better).*

451. Production and Operations Management **3 hours**
This course examines the concepts, principles and techniques of production and operations management as they relate to manufacturing and service organizations. *Prerequisites: BUS 250 and BUS 212 (Cs or better).*

452. Personnel Management **3 hours**
This is an introductory course in personnel administration. The course deals with the problems associated with human resources utilization in all their manifestations. This course is relatively circumscribed in that it falls within the broader organizational framework of general managerial functions. *Prerequisites: ENG 102 or ENG 103; BUS 250 and BUS 212 (Cs or better).*

453. Entrepreneurship **3 hours**
The special problems associated with establishing and operating a new business venture. *Prerequisites: BUS 250, BUS 330, BUS 360 or instructor's permission.*

454. Special Topics in Management **3 hours**
An occasionally offered advanced-level course covering topics in management not covered or not covered in depth by regularly offered management courses. Typically taught in a seminar format. *Prerequisites: Instructor's permission (C or better).*

461. Buyer Behavior **3 hours**
An examination of the decision-making process of buyers with respect to underlying economic and psychosociological factors. Focuses on target marketing and market segmentation. *Prerequisite: BUS 360 (C or better).*

462. Marketing Research **3 hours**
Covers the range of research activities and methods, including problem definition, sources of data, ques-

tionnaire design, sampling, basic and multivariate analysis. *Prerequisite: ECO 221 and BUS 360 (C or better).*

463. Marketing Management **3 hours**
Approaches problems of marketing decision-making under conditions of uncertainty from the view-point of the marketing manager. *Prerequisite: BUS 360 (C or better).*

464. Principles of Selling **3 hours**
The nature of personal selling. First six weeks focus on systematic approach to the sales process. Balance of semester requires fulfillment of sales quotas in field assignment. *Prerequisite: BUS 360 (C or better).*

465. Distribution Channels **3 hours**
This course addresses the development of distribution channels, environmental forces, functional and behavioral dimensions and communications within the channel. *Prerequisite: BUS 360 (C or better).*

466. Special Topics in Marketing **3 hours**
An occasionally offered advanced-level course covering topics in marketing not covered or not covered in depth by regularly offered marketing courses. Typically taught in a seminar format. *Prerequisite: Instructor's permission (C or better).*

470. Real Estate Finance and Investment **3 hours**
A study of the role of real estate finance in the U.S. financial system. Topics will include services of real estate finance, mortgage underwriting — the lender's perspective; financing mechanics — the borrower's perspective and the secondary mortgage market. The course will also focus on investment analysis techniques and the effect of financing equity (or residual) cash flows. *Prerequisites: BUS 330 (C or better).*

471. Real Estate Appraisal **3 hours**
Provides the student with a basic understanding of the appraisal process. Topics include the nature of appraisal, valuation, site descriptions and analysis. *Prerequisite: BUS 470 (C or better) and instructor's permission.*

474. Special Topics in Real Estate **3 hours**
An occasionally offered advanced-level course covering topics in real estate not covered or not covered in depth by regularly offered real estate courses. *Prerequisite: BUS 430 (C or better) and instructor's permission.*

CHEMISTRY

DEPARTMENTAL MISSION

In harmony with the mission of the College, the mission of the Department of Chemistry is to develop the ability of students to apply the techniques of sustained and objective critical analysis to the solution of problems. The department strives to prepare its majors with a thorough and rigorous background in undergraduate chemistry, so they may pursue graduate studies in chemistry and related sciences or begin careers as professional chemists. The department also considers it a serious responsibility to provide quality service courses and services for majors in related departments, such as students interested in mathematics, physics, engineering, biology, psychology, medicine, the allied health professions, etc. The service courses in the department bear no distinction from the regular courses. An important part of the philosophy of the department is that the chemistry major is wise to master as much mathematics and physics while he is still an undergraduate as is humanly possible. Toward this end, the more serious chemistry majors complete the requirements for a cognate major in mathematics or physics. As a result of this program, the Committee on Professional Training of the American Chemical Society in 1972 placed the department on the list of Approved Departments. The department's ACS accreditation was continued during 1999 after a successful review.

DEPARTMENTAL OBJECTIVES

The Department of Chemistry has established the following objectives:

1. Emphasize the development of problem solving skills in chemistry courses by requiring problem-solving sessions.
2. Ensure that the department offers quality experience in experimental chemistry.
3. Provide an increased use of computers in chemistry courses.
4. Strengthen the departmental research program and promote the participation of students in research.
5. Develop and introduce new courses which reflect the needs and provide the fuel for the chemical industry in the 21st century, namely, computational chemistry and materials science.
6. Acquire state of the art analytical instrumentation, including instruments for microanalysis, computers and graphics, mass spectrometry, x-ray crystallography, laser Raman and magnetic resonance spectrometers.
7. Increase the physical facilities for research and research training.
8. Increase the physical facilities for teaching at the freshmen and sophomore level, in particular for general and organic chemistry laboratories, where most students are non-majors.
9. Include chemical problems, which contain more applications to many disciplines using interesting modules for this purpose.

The Department of Chemistry offers two degree programs: the Bachelor of Science degree in chemistry and a dual-degree consisting of the Bachelor of Science degree in chemistry and the Bachelor of Chemical Engineering degree.

DEGREE REQUIREMENTS FOR CHEMISTRY MAJORS

Bachelor of Science Degree in Chemistry

CHE 111	General Chemistry Lecture and Lab
CHE 112	General Chemistry Lecture and Lab
CHE 231	Organic Chemistry Lecture and Lab
CHE 232	Organic Chemistry Lecture and Lab
CHE 321	Physical Chemistry Lecture and Lab
CHE 322	Physical Chemistry Lecture and Lab
CHE 421	Inorganic Chemistry Lecture and Lab
CHE 422	Instrumental Analytical Chemistry Lecture and Lab
CHE 4--	Adv. Chemistry (any two of CHE 423, 424, 426, 437, 471 or 472)
MAT 251, 252	Analysis I & II
MAT 351	Analysis III
MAT 272	Linear Algebra
MAT 365 or 255	Ordinary Differential Equations or Theory of Sets
PHY 154	Mechanics
PHY 253	Electricity and Magnetism

Bachelor of Science Degree in Chemistry and Bachelor of Chemical Engineering Degree

It is possible for students enrolled in engineering, operated under a joint arrangement between Morehouse College and Georgia Institute of Technology, to earn a joint B.S. in chemistry and a Bachelor of Chemical Engineering degree. The departmental requirements for this dual degree program are the courses, CHE 112-112, 231-232, 321-322, 421-422, two additional 400-level chemical engineering courses offered at Georgia Institute of Technology, Auburn University, Boston University or Rochester Institute of Technology, plus the mathematics and physics courses required under the B.S. in chemistry program. It is understood that the student must meet all other requirements of the engineering college as well as the requirements of the dual-degree program.

Bachelor of Science Degree with a Major in Chemistry and a Minor in Earth and Atmospheric Sciences

The Department of Chemistry offers a program of study leading to a minor degree in earth and atmospheric sciences. This program is implemented in cooperation with the Georgia Institute of Technology School of Geophysical Sciences. The Earth and Atmospheric Sciences are multidisciplinary, with a strong dependence on the basic physical sciences, engineering and mathematics; therefore, undergraduate students interested in this program should work toward a bachelor's degree in one of these disciplines. Specific requirements include

- Introduction to Geology 262
- Introduction to Geophysics 272
- Introduction to Atmospheric Sciences 282
- Introduction to Geochemistry 292
- Introduction to Physical and Dynamical Meteorology 362
- Introduction to /Computer Science 181, plus the courses leading to the Bachelor of Science degree with a major in chemistry.

ACADEMIC REQUIREMENTS

Completion of required major courses with no grade less than C is required for graduation as a chemistry major in the above degree programs. A major in chemistry satisfying any one of the two programs may be recommended for departmental honors by completing the following requirements: Eligibility for college honors, an average of B or above in the required courses and electives, and participation with high-level performance in the Departmental Seminar and in undergraduate research. Chemistry majors will satisfy the College requirement for speech by taking the Professional Communication course from the English Department.

SUGGESTED COURSE SEQUENCE FOR MAJORS IN CHEMISTRY

Freshman Year			
Fall Semester		Spring Semester	
CHE 111	3 hours	CHE 112	3 hours
CHE 111L	1	CHE 112L	2
HIS 111	3	HIS 112	3
MAT 251	4	MAT 252	4
ENG 101	4	ENG 102	3
PE 15X	1	PE 15X	1
Total	15 hours	Total	15 hours
Sophomore Year			
CHE 231	4	CHE232	4
MFL 201	3	MFL 202	3
MAT 351	4	MAT 272	3
ENG 251	3	ENG 252	3
Humanities	3	Speech	3
Total	17 hours	Total	16 hours
Junior Year			
CHE 321	4	CHE 322	4
MAT 365	3	Computer Sci.	3
Physics 153	4	Physics 251	4
Humanities	3	Humanities	3
Total	14 hours	Total	14 hours
Senior Year			
CHE 421	4	CHE 422	4
CHE 4**	3	CHE 4**	3
BIO 111	4	Elective	3
Elective	3	Elective	3
Social Science	3	Social Science	3
Total	17 hours	Total	16 hours

4** Advanced courses from the list: 423,424,426,437,471, and 472

CHEMISTRY (CHE)

111-112. Elementary Inorganic Chemistry **8 hours**

Rigorous course in the elementary fundamental principles of chemistry, including elementary structure of atoms and molecules, chemical reactions, stoichiometry, introduction to quantum chemistry, molecular bonding and geometry, phases of matter and phase changes, thermodynamic, electrochemistry, kinetics, solutions, qualitative analysis, descriptive chemistry and nuclear chemistry. *Lecture, 3 hours per week. Laboratory and lab lecture, 6 hours per week.*

211. Analytical Chemistry **4 hours**

Fundamental principles of chemical equilibrium as applied to quantitative analysis of chemical substances. *Prerequisites: CHE 111-112. Lecture, 3 hours per week. Laboratory, 6 hours per week.*

231-232. Elementary Organic Chemistry **8 hours**

Rigorous elementary treatment of the compounds of carbon, including structure, properties, and reactions and their relation to theory. *Prerequisite: CHE 111-112. Lecture, 3 hours per week. Laboratory, 6 hours per week.*

321-322. Elementary Physical Chemistry **8 hours**

Introductory physical chemistry, including thermodynamics, kinetics, chemical reactions and bonding, electrochemistry, quantum mechanics and statistical thermodynamics. *Prerequisites: CHE 231-232, PHY 154 (Mechanics), MAT 251-252 (Analysis), Lecture, 3 hours per week. Laboratory, 6 hours per week.*

421. Advanced Inorganic Chemistry **4 hours**

Rigorous treatment of the chemistry of inorganic compounds, including structure, properties and reactions, and their interpretation in terms of quantum chemistry. Solid-state chemistry. *Lecture, 3 hours per week. Laboratory and discussions-6 hours per week. Prerequisite: CHE 322. Lecture -3 hours per week. Laboratory and lab lecture-6 hours per week.*

422. Chemical Instrumentation **4 hours**

Chemical analysis based on the use of modern instruments. Emphasis placed on quantitative analysis of materials using spectroscopic, electrochemical, magnetic and chromatographic techniques. *Prerequisite: CHE 322. Lecture, 3 hours per week. Laboratory and Lab lecture, 6 hours per week.*

423-424. Advanced Physical Chemistry **6 hours**

Theoretical principles of modern physical chemistry. Fundamental principles of quantum mechanics, statistical mechanics, angular momentum and group theory. Applications. *Prerequisite: CHE 322. Recommended: Phy 361 (Electromagnetic Theory). Lecture, 3 hours per week. Laboratory and Lab lecture, 6 hours per week.*

426. Biophysical Chemistry **4 hours**

Seeks to inform the aspiring biologist, physicist, molecular biologist, pre-medical student and chemist that biopolymers also obey physical laws, which are the basis for the methods. Analysis with modern instrumentation of the determination of useful information about biopolymer systems. *Prerequisites: CHE 322. Lecture, 3 hours per week. Laboratory, 6 hours per week.*

429-430. Undergraduate Seminar in Chemistry **1 hour**

Student seminar devoted to the study of some pertinent topics from books and journal articles from student research experiences. Occasional lecturer from outside of the college. Participation is required of all

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majors in chemistry; excellence of performance is a necessary, but not sufficient, condition for being cited for departmental honors at graduation. *One meeting per week for one hour.*

431-432. Undergraduate Research in Chemistry **6 hours**

Intended primarily for chemistry majors desiring to do graduate work in one of the fields of chemistry. On approval of a selected faculty member, the student may pursue the study of some unsolved problem in chemistry that is of current interest.

435. Introduction to Space Science **4 hours**

The course is designed to introduce students to the mysteries of the universe. Science disciplines covered include space astronomy, the science of celestial bodies that make up the universe; space astrophysics, the application of physical laws to the study of astronomy; space physics, the interaction of the Sun's solar wind and the Earth's atmosphere; space biology, the origin and evolution of living organisms in space; and planetary exploration, the study of the nine planets in the solar system. Topics will be presented via lectures, video, viewgraphs, class discussion, reference materials, and guest lectures. *Prerequisite: CHE 322.*

437. Instrumental Methods in Atmospheric Chemistry **4 hours**

An introduction to the chemistry and dynamics of atmospheric processes, the spectroscopy of atomic and molecular species, the photodynamics and photokinetics resulting from photochemical processes, and the instrumental techniques used in obtaining basic information about chemical processes in the atmosphere. *Prerequisite: CHE 322. Lecture, 3 hours per week. Laboratory and discussions, 5 hours per week.*

471-472. Advanced Organic Chemistry **6 hours**

Provides a deeper understanding of the structure of organic compounds and the mechanisms of organic reactions. The three main broad topics are structure, dynamics, and synthesis. The quantum mechanical basis for aromaticity is carefully examined, and the concept of the duality of (competing) mechanisms is treated in some detail. *Prerequisite: CHE 322. Lecture, 3 hours per week.*

COMPUTER SCIENCE

The primary goal of the computer science program at Morehouse is to prepare the student for graduate studies in computer science and entry into the workforce as a computer professional at the highest level possible. The program has a continuing commitment to develop students with a fundamental appreciation for computing issues. Because computers will continue to be of central importance to society, the computer science program emphasizes the acquisition of marketable knowledge and skills for professional careers in areas such as computer systems, programming languages, software engineering, and data bases.

The computer science program has been designed to provide a broad introduction to the field within the context of a liberal arts education. Many of the courses will emphasize the interrelationships between computer science and other disciplines. Students will select course sequences that will allow them to combine studies in computer science with interests in other areas. The program is sensitive to the fluid nature of the field of computer science and is flexible enough to respond to the rapidly-changing developments in the field. While majors will share many of the same courses, the liberal arts orientation of the

program is intended to permit the student the opportunity to design a specific course of study that suits his particular interests.

Students should consult with a departmental adviser on their course selections after they decide to become computer science majors. The goal is to make a coherent selection of lower and upper division courses.

DEPARTMENTAL HONORS

Departmental honors are available to graduating seniors who have a minimal overall GPA of 3.00, a GPA of 3.50 in computer science, and either (1) perform a successful defense of a pre-approved thesis project, or (2) take extra nine (9) credit hours of designated computer science electives and pass each of these electives with a grade of B or higher.

DEGREE REQUIREMENTS FOR THE COMPUTER SCIENCE MAJOR

The following courses in computer science are required:

CSC 106*	Introduction to Computer Science (<i>optional</i>)
CSC 110	Computer Programming I
CSC 111	Introduction to Telecommunications
CAS 112	Telecommunications Technology
CSC 160	Computer Programming II
CSC 210	Computer Systems
CSC 260	Computer Organization
CSC 285	Discrete Structures
CSC 303	Telecommunications Seminar
CSC 308	Telecommunications Management
CSC 310	Data Structures and Algorithm Analysis
CSC 311	Introduction to Theory of Computation
CSC 370	File Processing
CSC 375	Operating Systems
CSC 415	Organization of Programming Languages
CSC 361	Junior Seminar
CSC 461	Senior Seminar

The following mathematics courses are required:

MAT 251	Analysis I
MAT 252	Analysis II
MAT 272	Linear Algebra
MAT 280	Discrete Mathematics
MAT 351	Analysis III
MAT 355	Probability and Statistics

The following science courses are required for the B.S. degree:

PHY 154	Mechanics
BIO 111	General Biology

SUGGESTED COURSE SEQUENCE FOR COMPUTER SCIENCE MAJORS

Freshman Year			
Fall Semester		Spring Semester	
CSC 106	3 hours	CSC 110	3 hours
MATH 280	3	MATH 251	3
ENG 101	3	ENG 102	3
HIST 111	3	HIST 112	3
[MFL 1]	3	[MFL 2]	3
Crown Forum 1		Crown Forum 2	
Total	15 hours	Total	16 hours
Sophomore Year			
CSC 160	3	CSC 260	3
CSC 210	3	CSC 310	3
MATH 252	3	MATH 351	3
ENG 251	3	ENG 252	3
Humanities 1		Humanities 2	3
Crown Forum 3		Crown Forum 4	
Total	16 hours	Total	16 hours
Junior Year			
CSC 285	3	CSC 311	3
CSC 370	3	CSC 375	3
MATH 272	3	MATH 355	3
BIO 111	3	ENG 351	3
Humanities 3	3	CSC 361 Junior Seminar	3
Crown Forum 5		Crown Forum 6	
Total	16 hours	Total	15 hours
Senior Year			
CSC 415	3	CSC 400-elective 2	3
CSC 461	3	CSC 400-elective 3	3
CSC 400-elective 1	3	Free electives	3
PHY 154	4	HPED 2	1
Social Sciences 1	3	HPED 1	1
Total	16 hours	Social Sciences 2	3
		Total	14 hours

COMPUTER SCIENCE (CSC)

106. Introduction Computer Science I 3 hours

Introduction to the fundamental aspects of the computing discipline, focusing on problem-solving across the subfields of computer science. Introduction to an effective use of the school's computer resources. Systematic approach to problem solving in the context of such areas as information systems, artificial intelligence, expert systems, and data communication.

110. Computer Programming I 3 hours

Engages the student in principles of software design. Includes problem-solving, program design, code development and program testing. The programming language is C++.

CSC 111. Introduction to Telecommunications

Provides a broad overview of the history of the information society and current society and the current technological and social trends. Topics focus on consumer issues technological advancements, and the impact of communications systems on society.

CSC 112. Telecommunications Technology

General principles and techniques of point-to-point telecommunications. Includes a brief history of the field and a general introduction to the technology of voice, data, and image transmissions. Course includes a laboratory component.

160. Computer Programming II

3 hours

A continuation of CSC 110 which emphasizes applications of advanced language features to larger, more complex problems. The programming language is C++. *Prerequisite: CSC 110.*

210. Computer Systems

3 hours

Introduction to basic concepts of computer systems, computer architecture, and assembly language. Topics include computer structure and machine language, assembly language, addressing techniques, macros, file I/O program segmentation and linkage, assembler construction. *Prerequisite: CSC 110.*

221. COOP/Internship

Pass/Fail Basis

Experiential learning in a structured computer business or computer science related environment. *Prerequisites: CSC 160 and Departmental approval.*

260. Computer Organization

3 hours

Introduction to organization and structuring of the major hardware components of computers, information transfer and control within digital computer systems and fundamentals of logic design. Topics include basic logic design, coding systems, number representation, and arithmetic, computer architecture, digital lab work. Introduction to C Programming and UNIX operation system. *Prerequisite: CSC 210.*

285. Discrete Structures

3 hours

Fundamental concepts of set algebra, algebraic structures, functions and relations, recurrence relations, formal logic, graph theory, combinatorics, introduction to logic programming and proof of program correctness. Applications of these structures to various areas of computer science. *Prerequisite: MAT 280.*

300. Advanced Programming Using JAVA

3 hours

Developing, debugging, and testing large programs written in JAVA. Instructions on good programming style and structure. A variety of algorithms will be implemented using C. *Prerequisite: CSC 160.*

310. Data Structures and Algorithm Analysis

3 hours

Utilization of algorithmic analysis and design criteria in the selection of methods for data manipulation and implementation. Topics include stacks, queues, lists, trees, heaps and hashing tables. *Prerequisites: CSC 160 and Mat 280.*

CSC 312L. Telecommunications Laboratory

Provides hands-on experience with the technology and equipment supporting the telecommunications industry through interactive modular laboratory activities.

311. Introduction to Theory of Computation

3 hours

Study of fundamental concepts in the formal theory of automata including finite state automata, pushdown automata, turing machines and chomsky hierarchy of grammars and languages. Computational power of different machines and halting problems. *Prerequisites: CSC 285 and CSC 310.*

315. Microcomputer Laboratory

3 hours

Hands-on hardware experience for CSC majors. Construction and programming of an operating micro-computer; digital logic lab work is included. *Prerequisites: CSC 260 and CSC 310.*

320. Technology I

3 hours

Provides an opportunity for the student to acquire knowledge and skills in a significant new development in computer technology. *Prerequisites: CSC 260 and CSC 310.*

321. COOP/Internship

Pass/Fail basis

Experiential learning in a structured computer business or computer science related environment. *Prerequisites: CSC 221 and Departmental approval.*

CSC 340. Telecommunications Internship

Designed to provide (a) hands-on experience with installing, designing, configuring, maintaining or otherwise managing communications systems (b) management processes/leadership training and (c) professional communication skills. Student must have a faculty sponsor and prepare a written proposal that includes course objectives and measurable evaluation criteria and receive approval from both the faculty sponsor and the telecommunications coordinator before registering for this course. Internships must be with a company, agency, or organization approved by the Advisory Committee.

350. Scientific Computation Using FORTRAN

3 hours

Algorithmic processes of problem solving, development of algorithms, for the solution of numerical and scientific problems. Emphasis given to underlying concepts for corrections and completeness of computer solutions. A variety of algorithms will be developed and implemented using a high-level language (FORTRAN). *Prerequisite: CSC 260.*

361. Junior Seminar

Introductory research/seminar course designed to aid junior computer science students in developing individual or group projects based on topics of interest. Methodology and design are emphasized. *Pass/Fail.*

370. File Processing

3 hours

Introduction to concepts and techniques of structuring data on bulk storage devices to provide the foundation for applications of data structures and file processing techniques. File processing environment, sequential and random access techniques, file input/output. A programming project will be assigned to students using a high-level language.

375. Operating Systems

3 hours

To develop an understanding of the organization and architecture of computer systems at the register-transfer and programming levels of system description, to improve major areas of operating system principles. Topics include dynamic procedure activation, system structure, evaluation, memory management, process management, recovery procedures, concurrent process, resource allocation protection. *Prerequisites: CSC 260 and CSC 310.*

380. Technical Communications & Project Management

3 hours

Study of and instruction on communications skills. Oral and written presentations, proposal and report writing, manuals and other software project documentation. Analysis of life cycle phases. Scheduling and budgeting techniques. Management, planning and control techniques. *Prerequisite: CSC 370.*

390. Software Systems Analysis & Design

3 hours

Study of software requirements analysis, functional specification and software system design methodologies using contemporary tools. Software development productivity issues, analysis, software change control, estimating, testing, maintenance. A software design problem of significant magnitude, such that the above principles will be applied. *Prerequisite: CSC 370.*

401. Computer Graphics

3 hours

Introduction to computer graphics, hardware, database and software organization for graphics; 2D and 3D transformations, programming project implementation of a subject of the above. *Prerequisites: MAT 272 and CSC 310.*

410. Database Systems

3 hours

Introduction to the concepts and structures to design and implement a data base management system. Understanding of various physical file organization and data organization techniques. Topics include data model, data normalization, data description languages, file organization, index organization, file security and data integrity and reliability. *Prerequisite: CSC 370.*

412. Management Information Systems

3 hours

Methodology for the design and implementation of management information systems in industrial, business and governmental organization. Feasibility studies, system development, implementation and evaluations. Information retrieval and database management system to support software development. *Prerequisite: CSC 310.*

415. Organization of Programming Languages

3 hours

Designed to develop an understanding of the organization of programming languages. Formal study of programming language design and specification. Topics include language definition structure, data types and structures, control structures and data flow. Run-Time consideration, interpretative language, lexical analysis and parsing. Comparison of language features using PASCAL, FORTRAN, COBOL, LISP, ADA, "C," and PL/I. *Prerequisite: CSC 311.*

420. Compiler Construction

3 hours

Study of the basic techniques of compiler design and implementation. Programming implementation. Topics include top-down parsing, bottom-up parsers, syntax-directed translation, static representation of data objects, run-time machine structure, object code and machine representation, optimization, and error recover. *Prerequisite: CSC 311.*

425. Artificial Intelligence

3 hours

Study of intelligence in man and machines as it relates to research efforts in areas such as computer vision and learning, game playing, theorem proving, and natural language, question/answering robotics. Introduction to the programming language LISP with emphasis on list processing and non-numerical computation. *Prerequisite: CSC 310.*

430. Advanced Operating Systems

3 hours

Practical hands-on research and development experience using a contemporary operating system model. In-depth study of the architecture and organization of current processor technology. *Prerequisites: CSC 375.*

435. Software Engineering

3 hours

Instruction and work towards developing project management skills. Study of software development life cycles and implementation using available tools. A large-scale project will be undertaken. *Prerequisite: CSC 390.*

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440. Design And Analysis Of Algorithms **3 hours**

Algorithm analysis. Recurrence relations. Best, average and worst case analysis. Divide and conquer. Greedy algorithms. Dynamic programming. Backtracking. Branch and Bound. Introduction to complexity classes and theory of NP-Completeness. *Prerequisite: CSC 310.*

445. Data Communications **3 hours**

Introduction to data communications for computer and computer terminals. Topics include communications, media, codes, data transmission, multiplexing, software, protocols, switching and networks. *Prerequisites: CSC 260 and CSC 310.*

450. High-Performance Scientific Computing **3 hours**

Study of high-performance machines used in implementing scientific and engineering problem solutions. Parallel architectures, parallel softwares, parallel algorithm design and implementation on SIMD, MIMD and vector/ pipelined processors. *Prerequisite: MAT 351.*

461. Senior Seminar

Advanced.research/seminar course designed to encourage Senior Computer Science students to use an innovative interdisciplinary approach to research and design based on current technologies. *Pass/Fail.*

480. Special Topics in Computer Science **3 hours**

Lectures in topics of current interest. Topics offered vary with the interest and needs of students. Students are admitted by permission of the instructor.

490-491. Research Projects **3 hours**

Exploring an approved subject in the area of computer science. *Prerequisite: Consent of research mentor.*

495. Independent Study **3 hours**

Open to qualified students to develop a problem solution, such as a senior thesis, through advanced study under the direction of a member of the staff. *Prerequisite: Consent of department chairman.*

SERVICE COURSES

101. Survey of Computers and Software Packages **3 hours**

Introduction of computing environment and utilization of commercial software packages for problem solutions. Topics covered include DOS, Windows, word-processing, spreadsheets and database management systems.

105. Data Analysis and Computer Usage **3 hours**

Introduction to statistical software. Emphasis will be placed on problem solving and analysis design.

107. Beginning Programming (FORTRAN) **3 hours**

Disciplined approach to problem solving and algorithm development, program structures, program development methods and style. Mathematical and scientific problems will be featured.

108. Beginning Programming (Pascal) **3 hours**

Disciplined approach to problem solving and algorithm development, program structures, program development methods and style. Structured programming methodologies will be emphasized.

CRIMINAL JUSTICE

THE CRIMINAL JUSTICE MINOR

The Department of Sociology offers a minor in criminal justice, which complements a range of career orientations and academic interests. The curriculum for the minor seeks to promote systematic, critical analysis of issues of crime and justice, stressing the theoretical and methodological, along with careful attention to social policy; and includes the core courses typically required for a major in the field. Students are provided a foundation for direct entry into criminal justice related careers, and, complementing his major discipline, provided with a solid preparation for graduate and professional study. We also provide students with a sound basis for civic and community involvement with issues related to crime and criminal justice, particularly as they concern African Americans.

The criminal justice minor consists of nine (9) hours of required core and nine (9) hours of designated electives, for a total of 18 hours. Students minoring in criminal justice are encouraged do take a research methods course and to complete an internship with a criminal justice agency. Upper division courses in criminal justice assume a mastery of knowledge and skills acquired in lower division courses.

Requirements for the Minor in Criminal Justice

Required Core (9 hours)

SOC 215 Criminology
SOC 316 Corrections
SOC 416 Law and Society
OR

POL 350 Race and the Law

Designated Electives (9 hours)

SOC 301 Statistics
SOC 317 The Police and Law Enforcement
SOC 415 Juvenile Delinquency
SOC 492 Criminal Justice Internship

Criminal Justice Minor with a Major in Sociology

Students majoring in sociology may pursue a minor in criminal justice. These students may meet the elective requirement for Sequence I and Sequence III with SOC 215 Criminology and SOC 416 Law and Society.

ECONOMICS

MISSION AND OBJECTIVES

The mission of the Department of Economics is to prepare students for careers as economic practitioners and researchers in the private sector, academia and government. To accomplish this mission, the economics program emphasizes the requisite skills in analytical reasoning and effective communication through a solid background in economic theory and quantitative techniques. The program also stresses the importance of ethical professionalism and social awareness.

The economics program is designed to improve the ability of students to think critically, write and speak effectively, regarding economic issues. These skills or abilities should be reflected in students increased ability to do the following:

1. Identify those processes and institutions both domestically and internationally through which productive activity is organized.
2. Identify issues and problems where economic analysis can be appropriately applied.
3. Determine the appropriate tools of analysis to apply to a given economic issue or problem.
4. Adequately analyze an economic issue or problem and offer viable conclusions and recommendations.

DEGREE REQUIREMENTS FOR THE ECONOMICS MAJOR

An economics major's program of study consists of three components: the college-wide core curriculum (53 semester hours), the major (53-54 semester hours), and free electives (14-13 semester hours). All economics majors must satisfactorily complete the following designated core curriculum courses: MAT 100 and MAT 154 (a student who places into a higher level of mathematics should consult his adviser); six semester hours of political science, psychology and/or sociology courses, the prerequisites for which the student satisfies; and PHI 302. All economics majors must also satisfactorily complete the following economics core courses (27 semester hours): ECO 201, ECO 202, ECO 221, ECO 222, ECO 301, ECO 302, ECO 401 ECO 402 and ECO 405. Finally, all economics majors must satisfactorily complete nine (9) semester hours from the following economics elective courses: ECO 303, ECO 304, ECO 305, ECO 403, ECO 404, ECO 405, ECO 406, and ECO 408. The remainder of the economics major consists of related electives. A student must choose either the Math Option or the Non-Math Option to satisfy the related electives requirement.

Economics majors selecting the Math Option must satisfactorily complete the following courses (17 semester hours): MAT 251, MAT 252, MAT 272, MAT 365 one three-semester-hour computer course, and ENG 351.

Economics majors selecting the Non-Math Option must satisfactorily complete the following courses (18 semester hours): ENG 351, one three-semester-hour computer course, and 12 semester hours of individualized coursework.

All economics majors are subject to the following departmental policies:

1. A grade of C or higher is required for majors to "satisfactorily complete" all economics core courses, related electives and electives designated for the major.
2. Not more than three economics courses taken at other institutions will be accepted for credit toward the B.A. in economics at Morehouse.

3. Students who enroll in BUS or ECO courses, the prerequisites for which they fail to meet, are subject to disenrollment by the department regardless of performance or time lapsed.

DEPARTMENTAL HONORS

Students majoring in economics may qualify to graduate with departmental honors by earning an overall GPA of 3.0 and a GPA of 3.25 in economics completed in the department.

REQUIREMENTS FOR THE ECONOMICS MINOR

To minor in economics, the student must complete fifteen (15) hours consisting of the following courses: ECO 201, ECO 202, ECO 221, and any two 300 or 400 level ECO courses.

SUGGESTED COURSE SEQUENCE FOR THE ECONOMICS MAJOR

Only the course sequence suggested for economics majors who select the math option is presented below. Economics majors selecting the non-math option must consult the coordinator of the economics program to develop the appropriate course sequence.

Economics Major (Math Option)

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 100	3	MAT 154	3
Foreign Language	3	Foreign Language	3
HIS 111	3	HIS 112	3
BIO 101	3	PHY 102	3
Total	15 hours	Total	15 hours
Sophomore Year			
ECO 201/202	3	ECO 201/202	3
ECO 221	3	ECO 222	3
MAT 251	4	MAT 252	4
ENG 251	3	REL 203	3
ART/MUS	3	Art/Music	3
Total	16 hours	Total	16 hours
Junior Year			
ECO 301	3	ECO 302	3
Computer Course	3	MAT 272	3
ECO 405	3	Economics elective	3
ENG 251	3	PHI 302	3
SOC SCI	3	SOC SCI	3
Total	15 hours	Total	15 hours
Senior Year			
ECO 402	3	ECO 401	3
Economics elective	3	Economics elective	3
HPED	1	HPED	1
MAT 365	3	Free electives	7
Free electives	4		
Total	14 hours	Total	14 hours

ECONOMICS (ECO)

- ECO 201. Principles of Macroeconomics** **3 hours**
Systematic study of the causes and consequences of fluctuations in aggregate production and the general price level and of government policies to control inflation and unemployment. *Prerequisite: MAT 154 (C or better).*
- 202. Principles of Microeconomics** **3 hours**
Examination of the determinants of the prices and levels of production of individual commodities and services, and of the income of households. *Prerequisite: MAT 154 (C or better).*
- 221. Basic Statistics I** **3 hours**
Basic statistics as applied to business and economic problems. Emphasis upon measures of central tendency, variation, probability, sampling, statistical inference, and linear regression. *Prerequisite: MAT 154 (C or better).*
- 222. Basic Statistics II** **3 hours**
Topics include linear and non-linear multiple regression and correlation analysis, index numbers, time series analysis. More advanced treatment of some topics introduced in ECO 221. Students are expected to conduct a statistical study of their own on some problem of immediate concern. *Prerequisite: ECO 221 (C or better).*
- 301. Microeconomic Theory** **3 hours**
Business firm cost and revenue, consumer choice, marginal analysis, market demand, market supply, competitive firm in short-run and long-run equilibrium, market equilibrium, pure competition, monopoly, monopolistic competition, and oligopoly. *Prerequisites: ECO 201 and ECO 202 (Cs or better).*
- 302. Macroeconomic Theory** **3 hours**
Static theory of national income determination, theories of growth, inflation and cycles in economic activity, theory of public economic policy. *Prerequisites: ECO201 and ECO 202 (Cs or better).*
- 303. Economic History of the United States** **3 hours**
A study of the process, pace and pattern of U.S. economic development from the colonial period to the present. The changing roles and status of African Americans are highlighted. *Prerequisites: ECO 201 and ECO 202 (Cs or better).*
- 304. Money and Banking** **3 hours**
Determinants of size and changes in domestic money supply, evolution of the United States banking system, history of monetary theory and policy, international monetary policy and its relation to the domestic situation. *Prerequisites: ECO 201 and ECO 202 (Cs or better).*
- 305. Economic Development** **3 hours**
Study of problems encountered by less developed countries of the world in trying to raise their productivity and improve their living standards. Role of more developed countries in contributing to the growth of less developed countries. *Prerequisites: ECO 201 and ECO 202 (Cs or better).*
- 401. Economic Doctrines** **3 hours**
Ancient thought—Greeks and Romans; medieval thought, mercantilism; the Physiocrats, classical period, criticism of the classical period, the historical school; the Marginal Utility School; modern economic thought. *Prerequisites: ECO 201 and ECO 202 (Cs or better).*

402. Econometrics

3 hours

An employment of statistical methods of analysis to test hypotheses about economic events, to estimate actual magnitudes, and to use these estimates to make quantitative predictions. *Prerequisites: ECO 222, ECO 301, ECO 302 (Cs or better).*

403. Labor Economics

3 hours

Examines structure of labor markets and role of supply and demand in determining wage rates and workers' income. Growth and present status of trade unions and their position in the American economy is an important part of course. *Prerequisites: ECO 201 and ECO 202 (Cs or better).*

404. Urban Economics

3 hours

Basic background in the growth of urban areas and the location of economic activity in urban areas. Basic economic concepts required to analyze urban problems introduced within a cost-benefit framework. This framework used to analyze urban problems of poverty and race, housing, transportation, pollution, crime, and public finance. Emphasis on evaluating potential solutions to urban problems with respect to efficiency and equity. *Prerequisites: ECO 201 and ECO 202 (Cs or better).*

405. International Economics

3 hours

Emphasis is on theories of international trade, international monetary systems, and development economics. United States trade policies, international cartels and balance of payments treated as applied portions of the course. *Prerequisite: ECO 202 (C or better).*

406. Public Finance

3 hours

Analysis and description of the role of the public sector in a market economy. The course describes and evaluates techniques for improving efficiency in public activities and analyzes the effect of government spending and revenue collection upon resource allocation, the distribution of income, and incentives to work, save and invest. *Prerequisite: ECO 202 (C or better).*

408. Special Topics in Economics

3 hours

An occasionally offered advanced-level course covering topics in economics not covered or not covered in depth by regularly offered economics courses. Typically taught in a seminar format. *Prerequisite: Instructor's permission.*

409. Directed Reading in Economics

3 hours

Directed and intensive study in a special area of economics. *Prerequisite: Permission of department chairperson.*

DUAL DEGREE ENGINEERING PROGRAM

The Dual Degree Engineering Program provides an opportunity to obtain both a liberal arts education and a professional engineering education. The program is conducted in association with a number of outstanding engineering institutions. The engineering institutions include Auburn University, Boston University, Columbia University, Dartmouth College-Thayer School of Engineering, Georgia Institute of Technology, North Carolina A & T State University, Rensselaer Polytechnic Institute, Rochester Institute of Tech-

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nology and University of Florida at Gainesville. A minimum of three (3) years in pre-engineering at Morehouse College followed by at least two (2) years of professional engineering education at an affiliated engineering institution is required. Upon completion of the program at both institutions, two baccalaureate degrees are awarded. The degree from Morehouse College will be awarded in either general science (Option I) or in chemistry, computer science, mathematics or physics (Option II).

OPTION I

Under Option I, the Bachelor of Science degree is awarded in general science from Morehouse College along with the Bachelor of Science degree in engineering from the engineering institution upon successful completion of (1) all core curriculum requirements at Morehouse College, (2) all pre-engineering courses at Morehouse College and (3) the remaining engineering requirements at the engineering institution.

Please note that all core curriculum and pre-engineering courses must be taken at Morehouse College.

OPTION II

Under Option II, a Bachelor of Science degree in chemistry, computer science, mathematics or physics is awarded from Morehouse College along with the Bachelor of Science degree in engineering from the engineering institution. These degrees will be awarded upon successful completion of (1) all core curriculum requirements at Morehouse College, (2) all requirements for the liberal arts major chosen at Morehouse College, (3) all pre-engineering courses at Morehouse College and (4) the remaining engineering requirements at the engineering institution.

Please note that all Core Curriculum and Pre-Engineering courses must be taken at Morehouse College.

Formal application for transfer to one of the participating engineering schools cannot be made until the student has completed all pre-engineering courses listed below and all requirements for a discipline major at Morehouse, if applicable.

HBIO 101*	Biological Science
HCHE 111-112	General Chemistry Lecture and Lab
HCSC 110	Computer Programming I (C++)
HEGR 101	Freshman Engineering Design
HEGR 201	Engineering Graphics
HEGR 205	Statics
HEGR 206**	Mechanics of Materials
HEGR 308**	Dynamics
HMTH 251-252	Analysis I & II
HMTH 272	Linear Algebra
HMTH 351	Analysis III
HMTH 365	Introduction to Ordinary Differential Equations
HPHY 154	Mechanics
HPHY 253	Electricity and Magnetism
HPHY 254	Optics and Modern Physics

*Only permitted for students in Option I, otherwise the biology requirement is determined by the liberal arts major chosen

**Either Mechanics of Materials or Dynamics.

In general, dual degree engineering students are required to maintain a 2.80 grade-point average (with a minimum 3.00 grade-point average in the pre-engineering courses, and a minimum 2.60 grade-point

average in the core curriculum courses) to be eligible to continue in the Dual Degree Engineering Program and to enroll at one of the cooperating institutions.

Students will be required to select Option I or Option II when the engineering major is declared. Official certification by the chair of the Department of Physics at Morehouse College is required in order for a student to qualify to attend the engineering institution.

In the event that an Option I student is unable to complete the requirements at the engineering institution, he must return to Morehouse College and complete course requirements for any Option II major before a baccalaureate degree can be awarded.

COURSE SEQUENCE FOR MAJORS IN ENGINEERING UNDER THE DUAL DEGREE ENGINEERING PROGRAM

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 251	4	MAT 252	4
HIS 111	3	HIS 112	3
CHE 111	4	CHE 112	4
ENGR 101	3	ENG 201	3
Total	17 hours	Total	17 hours
Sophomore Year			
Fall Semester		Spring Semester	
MAT 351	4	MAT 272	3
PHY 154	4	PHY 253	4
ENG 250	3	MAT 365	3
BIO 101	3	ENGR 205	3
CSC 110	3	Humanities	3
		HPED	1
Total	17 hours	Total	17 hours
Junior Year			
Fall Semester		Spring Semester	
ENGR 206 or 308	3	Humanities	3
PSC 251	3	ECO 201	3
(Social Science)		(Social Science)	
PHY 254	4	HPED	1
Humanities	3	Humanities	3
Foreign Language	3	Foreign Language	3
Total	16 hours	Total	13 hours

**Students planning to major in mechanical or aerospace engineering are required to take HEGR 206. All other engineering majors are required to take HEGR 308.*

ENGINEERING (HEGR)

HEGR 101. Freshman Engineering Design **3 hours (Lect. 2 hours, Lab. 3 hours)**

Provides an introduction to the engineering profession — the nature of engineering problems and their solutions, the roles of experimentation, the computer and communication skills in engineering practice. Fundamental procedures for tackling new, unsolved, open-ended problems. Essential details of analyzing, synthesizing, and implementing design solutions. Importance of team work in engineering practice. Computer laboratory and Design Studio are key components of this course.

HEGR 201. Engineering Graphics **3 hours**

Covers the visualization and modeling techniques for product design and development. Specifically, the course covers design methodology, graphics standards, projection theory, freehand sketching, and spatial geometry. Includes the fundamentals of computer graphics, with emphasis on AutoCAD applications to drafting and design.

HEGR 205. Engineering Statics **3 hours**

Elements of statics in two and three dimensions; centroids; analysis of structures and machines; friction; moments of inertia. *Prerequisite: Physics 154-Mechanics, Corequisite: HMTH 252-Analysis II.*

HEGR 206. Mechanics of Materials **3 hours (Lect. 3 hr., Lab. 0 hr)**

Fundamental concepts of stress and strain; stress-strain relationships; application to axially loaded members; torsion of circular bars; bending of beams; normal and shear stresses in beams; beam deflection and combined loading; stability of columns. *Prerequisite: HEGR 205.*

HEGR 308. Engineering Dynamics **3 hours**

Kinematics and kinetics of particles and systems of particles; kinematics and kinetics of rigid bodies in plane motion; application of work and energy relationships, and impulse momentum principles. *Prerequisite: HEGR 205.*

ENGLISH

THE MISSION OF THE DEPARTMENT

All courses in the department are designed to meet the overall mission of the College as stated in this publication. Thus, the department asserts that a properly educated Morehouse student, trained through the medium of English, should read, write, speak, listen and reason with above-average skills and should understand and appreciate the ways human beings express themselves and their culture through literature and other arts. One goal of the Department of English is to provide instruction leading to the acquisition and development of such skills and appreciation by all students of the College. The department in particular emphasizes the development of proficiency in writing. A second goal of the department is to provide advanced instruction of such variety and scope that the student majoring in English receives a deep and fulfilling experience of the possibilities of language and literature.

THE CURRICULUM IN ENGLISH

The department offers instruction in writing; the English language; English, American, African Diasporic, and world literature; oral communication; and reading. The introductory writing course is designed for the freshman year and is a general requirement of the College, as is a semester of world literature, which is required at the sophomore level. Students whose entering scores indicate need for development are placed in required freshman-level reading courses, and those with such needs in writing must enroll for supplementary instruction in the Writing Skills Laboratory (which is also available to all Morehouse College students at announced times). The upper-level courses in composition, language and literature are designed to develop competencies not only for English majors and minors but for all students who elect to take the courses.

Exemptions from required core curriculum courses are made on the basis of scores on the Advanced Placement Examination (AP), College Language Equivalency Program (CLEP), International Baccalaureate Diploma (IB) and British A Level Examinations. Students must obtain exemption status by consultation with the Department of English upon initial admission to the College.

Courses in communication skills and language represent the effort of the department to meet students' societal needs and interests and to broaden career opportunities for majors and minors. According to many students of law, legal professionals, deans of law schools and corporate executives, English is an excellent major for prospective attorneys and businessmen because of its emphasis on communication skills, critical thinking and cultural diversity.

A student may major in English by successfully completing 45 hours beyond the college core curriculum in English. The required courses for the major are ENG 241; 265; 271-272; 273; 341; 351; 363-364; 375 or 376; 377; 380; two of the following — 457, 480, 483, 485, or 489; and 497.

A minor in English requires successful completion of 18 hours beyond the requirements in the college core curriculum in English. The required courses for the minor are ENG 241; 265; 375; 377; one of the following: 271, 272, 363, or 364; and one of the following — 380, 480, or 489.

To major in English with a concentration in African American Studies, a student must satisfy all requirements for a major in English and complete 16 hours of African American Studies approved by the department, of which at least 6 hours must be in approved literature studies.

The department also sponsors the forensics program which provides curricular and extracurricular learning, including the Morehouse Debate Team, and experiences in forensics, involving tournament competition in debate, public speaking and oral interpretation of literature.

HONORS IN ENGLISH

A graduating senior who is an English major and has attained a cumulative, minimum average of 3.0 and a minimum of 3.25 in the major — retained during the year of graduation — may qualify for departmental honors in English by satisfying the following requirements:

1. Submitting a letter of application expressing the desire to qualify for honors;
2. Submitting an extended paper which meets the standards specified by the department in its annual announcement;
3. Requesting that three members of the department who have taught him in major courses each submit a letter of recommendation directly to the Departmental Honors Committee; and
4. Meeting the stated deadline for all documents.

STUDY ABROAD

English majors and minors are encouraged to apply for grants and fellowships to study in other countries during summer semesters or year-long terms. Credit for such work is assessed and awarded toward graduation as applicable.

COURSE SEQUENCE FOR MAJORS IN ENGLISH

Freshman Year			
Fall Semester		Spring Semester	
ENG 101 (or 103)	3 hours	ENG 102 or Elective	3 hours
MAT 101	3	MAT 140	3
Foreign Language	3	Foreign Language	3
HIS 111	3	HIS 112	3
BIO 11 and Lab	3	PHY 102 and Lab	3
HPED	1	HPED	1
Total	16 hours	Total	16 hours
Sophomore Year			
ENG 241	3	ENG 265	3
ENG 250	3	ENG 272	3
ENG 271	3	ENG 273	3
ART/MUS	3	ART/MUS	3
SOC SCI	3	REL 203	3
Total	15 hours	Total	15 hours
Junior Year			
ENG 341	3	ENG 364	3
ENG 351	3	ENG 376/Elective*	3
ENG 363	3	ENG 377	3
ENG 375*/Elective***	3	ENG 380	3
SOC SCI	3	PHI	3
Total	15 hours	Total	15 hours
Senior Year			
ENG 480/483**	3	ENG 457/485/489**	3
Electives	12	ENG 497	3
		Electives	9
Total	15 hours	Total	15 hours

* Students are currently required to take either Chaucer (375) or Milton (376).

** Students are currently required to take any two of these five courses (in addition to Eng. 380) to accumulate nine hours in literature of the African Diaspora.

*** Electives may be chosen from any discipline according to the student's career and personal needs or his interests.

All students must satisfy the core curriculum requirement in English composition by one of the following methods, which depend on placement scores at the time of admission to the College: a two-semester sequence, ENG 101-102, or a one-semester course, ENG 103. Each student must earn a grade of C or above to pass any course in freshman composition, and all majors must earn a grade of C or above to pass required courses in the major. In addition, each student must earn 24 Crown Forum units (a core curriculum requirement).

ENGLISH (ENG)

101-102. Composition

3 hours each

A two-semester, freshman-level sequence in which enrollment is based on strong placement scores upon admission to the College so that writing and analytical skills are enhanced through extensive work in expository, argumentative, and documented essays. Activities allow exploration of a variety of perspectives in different disciplines and cultures, with an emphasis on works by African American authors. A grade of C or above is required in each course for successful completion of this sequence, which satisfies the Core requirement in Composition. *English 101 is prerequisite for 102, and English 102 is prerequisite for English 250.*

103. Composition

3 hours

A one-semester, freshman-level course designed for students with highest placement scores upon admission to the College; it offers enhancement of writing and critical-thinking skills through intensive writing and analysis of exposition, argumentation, and research. Activities are chosen for analysis and written expression of ideas and issues in a variety of disciplines, perspectives, and cultures, with emphasis on models by African American authors. Enrollment in this course is granted through entering placement only. A grade of C or above is required for successful completion. The course satisfies the core requirement in Composition.

103. Honors Composition (See “Honors Program”)

3 hours

200. Writing Skills Laboratory

A freshman-level supplementary course for students whose placement scores upon admission indicate a need for review of usage and strengthening of writing skills. Students in indicated sections of Composition 101 are required to spend an additional hour each week in intensive computer- and tutor-assisted instruction and must successfully complete each component before advancement to English 102.

241. Literary Form

3 hours

A one-semester, sophomore-level course, required as an initial course for students who major or minor in English, which prepares them for critical analysis of literature through intensive study of literary genres and study of trends in and approaches to literature (Offered in fall semesters).

250. World Literature

3 hours

A sophomore-level, one-semester course which introduces students to works from oral traditions and writings, including Biblical literature, poetry, drama, fiction, and essays. Works are selected to expose students to cultural contexts of Africa, Asia, Europe, and North and South America, and students are required to develop a literary vocabulary as well as experience with different approaches to literature to assist in their analytical and critical oral and written responses. This course is a Core requirement for all students and is offered each semester. *Prerequisites: ENG 101-102 or 103.*

250. Honors World Literature (See “Honors Program”)

3 hours

265. Advanced Composition

3 hours

A sophomore-level requirement for students who major or minor in English. The course offers enhancement of skills in expository, critical, and specialized writing.

271-272. Survey of English Literature I and II

3 hours each

Study of British literature, from Anglo-Saxon to modern — including postcolonial — with emphasis on tradition, genres, and conventions along with attention to the intellectual and social climate of works

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through close study of selected texts. A sophomore-level requirement for majors; English 271 is offered in fall semesters, 272 in spring semesters.

273. History of the English Language **3 hours**
Study of the development of English language from its beginning to modern American English with emphasis on changes in sound systems, grammar, and vocabulary. Required of majors at the sophomore level, the course is offered each semester.

310. Internship **2-3 hours**
Supervised activity for students in close relationship between the department and an on-site monitor in a non-profit organization, corporation, or program outside the department which offers students hands-on enhancement of analytical, critical, and communication skills. *Approval of the chair of the department is required in advance.*

341. Introduction to Literary Theory **3 hours**
Introduction to formal literary criticism and theory through analysis of historical and current trends, approaches, and schools; activities include readings of fiction and drama and demonstration essays. Required of majors at the junior level; *ENG 241 is prerequisite.* (Offered in fall semesters)

350. Principles of Speech Communication **3 hours**
Overview of the discipline of speech communication with special emphasis on individual development of effective oral skills in a variety of speaking situations.

351. Professional Communication **3 hours**
Practicum to prepare students in all disciplines to communicate orally for professional survival and success in all settings. Required of English majors.

352. Communicating in Small Groups and Teams **3 hours**
Designed to provide students the understanding and skills needed to communicate in any group, whether a social, religious, or high-level corporate, or diplomatic one.

353. Public Speaking **3 hours**
Familiarizes student with rhetorical skills necessary for effective modern communication and techniques of speech writing and oral presentation. Skills and techniques demonstrated through delivery of speeches for special occasions.

354. Intercultural Communication **3 hours**
Study of the basic sociocultural elements which affect communication, the obstacles which interfere with intercultural communication, and the skills needed to overcome these obstacles.

355. Argumentation and Debate **3 hours**
Study of argumentation theory, including logic, case construction, refutation, speaker credibility, and ethics. Students apply principles of argumentation in debates on public policies and legal issues. Complements the pre-law program.

357. Semantics: Propaganda and Persuasion **3 hours**
Techniques of semantics, the study of meaning. Rhetorical power. The uses and misuses of language and logic. Intonational devices. Analysis of nonfiction, tapes, advertising, editorials, law briefs, political speeches, cartoons, body language. *Prerequisite: C or above in 101-102. Best suited for juniors, seniors, and pre-law students.*

363-364. Survey of American Literature I and II **3 hours each**

Study of major works and literary movements from the colonial period to the late twentieth-century. Required of majors at the junior level; ENG 363 is offered in fall semesters and 364 in the spring.

375. Chaucer **3 hours**

Study of Chaucer's major poetry through generally critical approach and some attention given to the grammar and pronunciation of Middle English. Offered in fall semesters. Required of majors at the junior year as alternate to ENG 376.

376. Milton **3 hours**

Study of *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes*, a selection of the minor poems, and *Areopagitica*. Offered in spring semesters. Required of majors at junior year as alternate to ENG 375.

377. Shakespeare **3 hours**

Study of themes, imagery, and conventions in several plays and sonnets. Some focus on historical and literary background as well as trends in Shakespearean criticism and theatrical productions. Required of majors in the junior year.

380. Survey of African American Literature I **3 hours**

Study of African American literature from its beginning through 1915 with emphasis on cultural, historical, political, and social influences. Required of majors at the junior level and offered each semester.

387. Special Topics in Literary Studies **3 hours**

An exploration in detail of a topic that reflects present issues and trends in literary or rhetorical studies. Topics may focus on genres, current literary theory, literary movements, single authors, contemporary themes, or special areas of literary study such as comparative studies, Native American literature, and post-colonial literature. A junior-level elective which may be taken again, with new focus, at the senior level.

391. Creative Writing: Poetry **3 hours**

Introduces the student to the elements and techniques of composition in verse. Develops his skills through exercises and assignments.

392. Creative Writing: Fiction and Drama **3 hours**

Introduces the student to the elements and techniques of short fiction and drama. Develops his skills through exercises and assignments.

410. (A Sequel to English 310; cannot be taken concurrently.) **3 hours**

457. The Caribbean Novel **3 hours**

Critical reading and discussion of selected Caribbean novels. Exploration of the relationship between the Caribbean novel and the Caribbean society to enhance understanding and appreciation of similarities and differences between Caribbean and African American cultures. A senior-level course which is offered in alternate semesters.

480. Survey of African American Literature II **3 hours**

Critical examination of African American literary works from 1915 to the present with emphasis on periods, genres, sociopolitical influences, and critical responses. A senior-level course which is offered alternate semesters.

483. Harlem Renaissance **3 hours**

Critical examination — through contextual reading, students's analytical writing and discussion — of the

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meaning and legacy of this vibrant cultural and literary period in African-American arts and letters. A senior-level course which is offered in alternate semesters.

485. Contemporary African American Novel **3 hours**
Critical exploration of African American novels written since 1960 with emphasis on aesthetic, cultural, moral, psychological and social ideas and issues embedded in or provoked by the works. A senior-level course which is offered in alternate semesters.

487. Special Topics **3 hours**
A senior-level version of English 387.

489. Major Authors of African American Literature **3 hours**
In-depth study of African American literary works written since 1940 with emphasis on style and structure and on analysis within the contexts of African American literary history, culture, literary criticism, and theory; focus on selected writers. A senior-level course which is offered in alternate semesters.

497. Senior Seminar **3 hours**
Capstone course required of senior majors with work tailored to meet the needs of each student in preparation for varied post-undergraduate work; designed to enhance skills, for in-depth analysis of areas beyond the scope of the other requirements in the major as a topic-focused exploration, or to allow pursuit of a compelling personal project approved by the instructor. Open only to students classified as seniors. This should be among the last courses taken in the major.

499. Independent Study **2-3 hours**
Special, carefully supervised reading and research for selected senior majors. Assigned by department chair only.

ENVIRONMENTAL STUDIES

The relationship between people and their environment has been central to the human condition since the beginning of our existence. The rapid changes in technology, population growth and the globalization of political and economic systems demand that we take a global view of this relationship. Environmental problems are often local but have implications that are regional, national and international. We can no longer effectively address environmental issues from the perspective of one academic discipline, nor can future leaders hope to solve environmental problems without a broad multi-faceted approach. The environmental studies minor incorporates existing courses in the socialsciences, humanities and natural sciences that will prepare students for graduate studies, careers, and leadership.

The purpose of the environmental studies minor is to provide students with an understanding of the multidimensional nature of environmental problems. This academic minor will present students, who may major in any academic subject, with the opportunity to gain knowledge of and sensitivity to the scientific, social, political, economic and cultural aspects of the human-environment interaction. We will pay attention to the human-environment interactions that particularly impact African American communities. The scale of human-environment interactions ranges from local community to the national and international scale. For this reason, the environmental studies minor includes community service activities involving

students and faculty and significant international issues. The ultimate purpose of this curriculum is to foster understanding of the causes for current environmental problems (including our personal roles in causing these problems), and to empower students to change their own behavior and take leadership roles in addressing environmental issues.

REQUIREMENTS FOR ENVIRONMENTAL STUDIES MINOR

An environmental studies minor consists of 15 semester hours. Every student in the environmental studies minor will be required to take BIO 497 Environmental Biology (3 credits), typically in the senior year. The remaining 12 credit hours will be elective courses and at least 6 credit hours must be 300- or 400-level courses. The environmental studies minor is intended to foster interdisciplinary study, so no more than 6 credits of elective course may be taken in any one of the three academic division (natural sciences, social sciences and humanities). Elective credit for off-campus programs in environmental studies (for example a study-abroad semester or a summer course at a biological field station such as Columbia University's Biosphere 2 program) may be arranged with permission of the program coordinator.

SUGGESTED COURSE SEQUENCE

Generally, the required course, Environmental Biology (BIO 497), will be taken in the senior year and elective courses approved for the environmental studies minor will be taken where they fit the individual student's schedule. Students should note that three of the environmental studies elective courses (listed below) also satisfy core curriculum requirements (indicated by the notation CCR). Each student will develop an individualized course sequence for the environmental studies minor in consultation with the faculty adviser for the minor.

Environmental Studies Electives

Natural Science Division

Biology

BIO 320 Ecology (3 credit hours)

BIO 320L Ecology Laboratory (1 credit hour)

Chemistry

CHE 437 Introduction to Space Sciences (4 credit hours)

Environmental Science (at Spelman College)

SES 211 Introduction to Environmental Science (3 credit hours)

SES 384 Industrial Ecology (3 credit hours)

SES 451 (CHE 451) Environmental Chemistry (3 credit hours)

Physics (at Clark Atlanta University)

PHY 104 Introduction to Earth System Science (4 credit hours)
(with laboratory course PHY 104L)

PHY 105 Orientation to Earth System Science (1 credit hour)

PHY 353 Weather Analysis and Prediction (3 credit hours)

PHY 353L Weather Analysis and Prediction Laboratory (1 credit hour)

PHY 370 Earth Science Measurements (3 credit hours)

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Social Sciences Division

Economics

ECO 404 Urban Economics (3 credit hours)

Political Science

PSC 488 International Political Economy (3 credit hours)

Public Administration (at Clark Atlanta University)

PAD 507 Formulation of Public Policy (3 credit hours)

Sociology

SOC 305 Urban and Community Sociology (3 credit hours)

SOC 356 Demography, Ecology, and the Environment (3 credit hours)

Sociology (at Clark Atlanta University)

SOC 521 Population and Society (3 credit hours)

SOC 581 Environment and Society (3 credit hours)

Urban Studies Program

UST 261 Introduction to Urban Studies (CCR) (3 credit hours)

UST 262 Introduction of Urban Studies (CCR) (3 credit hours)

UST 420 Transportation Planning (3 credit hours)

Humanities Division

Philosophy

PHI 302 Introduction to Philosophical Ethics (CCR) (3 credit hours)

COLUMBIA UNIVERSITY BIOSPHERE 2 PROGRAM

Morehouse College has an agreement with Columbia University's Biosphere 2 program which permits students from all academic majors to receive Morehouse core curriculum credits for completing work in the Biosphere 2 program. Credits toward the environmental studies minor will be as follows:

- Completion of the Biosphere 2 program for a full academic semester "Earth Semester Program" will be equivalent to the completion of all 12 elective hours in the environmental studies minor.
- Completion of the six-week summer field study program will be equivalent to the completion of 6 elective hours (at the 300-400 level) in the environmental studies minor. Three hours would be natural sciences credits and three hours would be social science credits.
- Completion of the four-week summer field study program will be equivalent to the completion of 3 elective hours (at the 300-400 level) in the environmental studies minor. These three hours would be Natural Science credits.

Information on the Biosphere 2 program can be obtained from Dr. Lawrence Blumer (ES minor program coordinator) or from Dr. Anne Watts, associate vice president for academic affairs.

COMMUNITY SERVICE IN THE ENVIRONMENTAL STUDIES MINOR

An important component of the environmental studies minor is community outreach and community service. Students in this program will be encouraged to participate in community service projects, and they will be required to participate in a community service project as part of the environmental biology course, BIO 497. Community service projects will be developed to address both campus environmental issues (recycling, energy management, transportation) and neighborhood environmental problems.

HEALTH & PHYSICAL EDUCATION

The aims and objectives of the Department of Health and Physical Education are to develop young men who have interest in teaching, research, coaching or administration. Our focus is to prepare students who will be competitive in their professional endeavors beyond Morehouse. We also emphasize the development of desirable leadership qualities that will propel our graduates into the future.

Health and Physical Education represents fundamental principles by which we operate in every facet of our daily lives. Current major reports indicate that African Americans are contracting and dying largely from preventable or correctable conditions. The prevalence of these conditions may be due to the lack of education and participation in health and fitness activities. The Department of Health and Physical Education seeks to prepare professionals to address these areas.

Students who enroll in health and physical education have several career choices. These include graduate and professional schools, teaching, the health and fitness industry, recreation and leisure facilities, coaching, research, exercise and fitness consultant, fitness director, aquatics director, etc. To accomplish these goals, the department expects students to have at the time of graduation attained the following:

- The ability to make reasoned value judgements
- The ability to analyze and synthesize facts
- The ability to engage in independent scholarly endeavors
- The ability to understand and coordinate knowledge from other disciplines
- A scholarly, informed understanding of the cultural heritage of African –American peoples
- A knowledge and appreciation of cultures other than one's own
- A demonstrated capacity and ability to speak as well as write cogently, effectively and correctly
- A commitment to community service

THE HEALTH AND PHYSICAL EDUCATION SPORT AND FITNESS SERVICE PROGRAM

The Service Program provides for the need for physical participation by all college students in a program of fitness and sport activity. The aims and objectives of the service program are to give each student reliable information about his physical-organic status and to develop his appreciation of cultural heritage, safety standards and common health and fitness practices, with the final product being the acquisition of skills in the activities of his choice.

PHYSICAL EDUCATION EXEMPTION

Instead of regular participation in the service courses, veterans of the armed services, with submission of DD214, can have the requirements for physical education waived.

It is recommended that students complete the requirements for physical education within the first two years of enrollment.

All students are required to complete two courses from the following: HPED 150 Golf and Fitness; HPED 151 Aquatics and Fitness; HPED 152 Badminton and Fitness; HPED 153 Basketball and Fitness; HPED 154 Tennis and Fitness; HPED 155 Fitness For the Non Traditional Student; HPED 156 Individualized Fitness Program for the Non-Traditional Student; HPED 157 Weight Training, HPED 158 Soccer, HPED 159 Bowling, and HPED 160 Scuba Diving.

THE MAJOR IN HEALTH AND PHYSICAL EDUCATION

Majors in health and physical education are required to complete 42 prescribed academic hours with the department, eight hours of prescribed skills techniques courses, and complete the required comprehensive departmental examination. Additionally, nine hours of electives from cognate areas are available for selection. Further, the physical education major is required to complete seven hours of unrestricted electives. All majors seeking teacher certification must enroll in required education (see Education in Morehouse Catalog) and physical education courses from institutions within the Atlanta University Center.

Eight (8) Hours of Prescribed Skills and Techniques Courses

HPED 381	Skills and Techniques of Individual Sports
HPED 382	Skills and Techniques of Team Sports
HPED 283	Skills and Techniques of Swimming I (Intermediate)
HPED 284	Skills and Techniques of Swimming II (Advanced)

Forty-two (42) Hours of Theory Courses

HPED 253	Programs in Health Education
HPED 365	Human Physiology
HPED 100	History and Principles of Health & Physical Education
HPED 258	Prevention and Therapeutic Aspects of Sport Injuries
HPED 162	Organization and Administration of Health, Physical Education, Recreation, and Athletics
HPED 372	Physiology of Exercise/Activity
HPED 321	Human Anatomy
HPED 453	Methods and Materials of Coaching Selected Individual Sports
HPED 454	Methods and Materials of Coaching Selected Team Sports
HPED 455	Test and Measurements in Health and Physical Education
HPED 456	Adapted Programs
HPED 457	Kinesiology
HPED 458	Directed Readings and Research in HPED
HPED 462	Mechanical Analysis of Motion
Nine (9) hours of electives from cognate areas	

DEPARTMENTAL HONORS

Senior majors may qualify for departmental honors by meeting the following criteria:

- Possess a minimum GPA of 3.0 in the major discipline, with no grade of C- or below
- Satisfactorily pass comprehensive departmental examination
- Perform satisfactorily in the Physical Education (PEM) Club
- Perform satisfactorily in experimental research, an authorized independent study project, in an internship within the public school system or a sports-related organization

**COURSE SEQUENCE FOR MAJORS IN
HEALTH AND PHYSICAL EDUCATION**

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MATH 100	3	MATH 140	3
HIST 111	3	ART 110	3
HPED 151	1	PED 153	1
HPED 100	3	HPED 162	3
SOC SCI	3	HIST 112	3
Total	16 hours	Total	16 hour
Sophomore Year			
ENG 251	3	ENG 252	3
FOREIGN LANGUAGE	3	FOREIGN LANGUAGE	3
BIO 101	3	PHY 102	3
HPED 253	3	HPED	3
HPED 258	3	HPED 384	2
HPED 283	2	SOC SCI	3
Total	17 hours	Total	17 hours
Junior Year			
ENG 354	3	HPED 365	3
HPED 321	3	HPED 382	2
HPED 381	2	HPED 357	3
GEN. ELECT.	3	HPED 372	3
GEN. ELECT.	3	HPED ELECT.	3
Total	14 hours	Total	14 hours
Senior Year			
HPED 458	3	PHI	3
SOC SCI	3	HPED 454	3
HPED Elec	3	GENERAL ELEC	3
HPED 455	3	HPED 462	3
HPED 453	3	REL 203	3
Total	15 hours	Total	15 hours

PHYSICAL EDUCATION (HPED)

SPORT AND FITNESS SERVICE PROGRAM

(All Physical Education courses worth one (1) credit hour are graded on a pass/fail basis).

150. Golf and Fitness 1 hour

Designed to expose beginners in golf to the basic fundamentals and sport fitness benefits. Focuses on the history, rules, and the game

151. Aquatics 1 hour

Designed to teach basic swimming skills, elementary survival techniques, lifesaving methods, fitness and

carry-over values. Improvement is a vital concern and ARC (American Red Cross) certification, where appropriate, will be issued.

152. Badminton and Fitness **1 hour**

Designed to teach badminton history, rules, scoring, court courtesies, selection, care and use of the equipment, strategies for single and doubles play, safety measures of the game, and sport fitness benefits.

153. Basketball and Fitness **1 hour**

Designed to increase the student's knowledge and appreciation of the sport of basketball as well as the sport fitness benefits. Focuses on the historical background, rules and strategy. Basic skill, techniques and strategies taught and practiced through participation.

154. Tennis and Fitness **1 hour**

Designed to expose beginner in tennis to the basic fundamentals. Concentrates the basic stroke technique of tennis and their application; history, rules, scoring, court courtesies, selection, care and use of the equipment, strategies for singles and doubles play, safety measures of the game and sport fitness benefits.

155. **Fitness for the Non-Traditional Student **1 hour**

Designed to expose non-traditional student (age, disabilities, medical problems, etc.) to fitness for contemporary living and sport adaptations as a lifelong activity for the African-American male.

156. **Individualized Fitness Program for the Non-Traditional Student **1 hour**

Designed to implement the individual plan designed for the non-traditional student (age, disabilities, medical problems, etc.) and a selected individual/dual sport activity as a lifelong activity for the African-American male.

157. Weight Training **1 hour**

This pass-fail course is designed to involve students in a comprehensive fitness program that will use weight training as a vehicle to address such areas as: fitness development, exercises and weight training as a vehicle to address such areas as: fitness development, exercises and weight management, stress reduction through management, enhancement of flexibility and proper diet and nutrition.

158. Bowling **1 hour**

This pass-fail course is designed to teach basic bowling skills, rules, scoring terminology and proper etiquette; involving students in leisure time activity for the enjoyment and recreational benefit.

159. Soccer **1 hour**

This pass-fail course is designed to teach soccer skills involving students in a team activity to develop coordination agility, endurance, and teamwork as they related to the game of soccer.

160. Scuba Diving **1 hour**

This pass-fail course is designed to train participants in basic underwater physics and physiology as it relates to their health and safety in the water.

***Prior to enrolling in the courses, each student must receive approval from the Wellness Center and the **Department Chair**, a written explanation of the problem from a physician including *itations* and a suggested plan to follow based on the medical problem or disability.*

COURSE DESCRIPTIONS FOR REQUIRED COURSES

Students are encouraged to read, think critically and to express knowledge creatively, using oral communication skills.

100. History and Principles of Health and Physical Education **3 hours**

Special references are made to historical and philosophical phrases of physical education.

162. Organization and Administration of Health, Physical Education, Recreation and Athletics **3 hours**

Designed to present and discuss administrative procedures on a problem basis of health, physical education and athletics.

253. Programs in Health Education **3 hours**

Designed to study the school health program including personal, community health programs, health instruction, health services and healthful living.

258. Preventive and Therapeutic Aspect of Sports Injuries **3 hours**

Designed to prepare health and physical education majors to cope intelligently with the inevitable sport injuries. Within the limitations of non-medical boundaries, emphasis will be placed on physical agents (light, heat, water, electricity, joint fixations, and other physical applications) in the restoration of the temporarily handicapped victim. First aid procedures, safety and vital information gained from cursory physical inspection and/or diagnosis will be utilized.

283. Skills and Techniques of Swimming I (Intermediate) **2 hours**

Designed to present intermediate swimming for those who have not gained proficiency in swimming. Course will employ techniques basic to Red Cross Level IV and V (stroke development and refinement). Red Cross certification will be issued with appropriate skills. *Prerequisite: Aquatics 151 or the ability to swim 50 meters.*

284. Skills and Techniques of Swimming II (Advanced) **2 hours**

Designed to present advanced skills progression of swimming strokes. Required of all majors in physical education. *Prerequisite: HPED 363.*

321. Human Anatomy **3 hours**

Designed to introduce the basic fundamentals of the skeletal structure of the human body that will enable students to obtain an understanding of the anatomical and mechanical fundamentals of the body. Provided experiences that require them to apply anatomical and mechanical analysis of their learning process. Required of all majors in physical education.

357. Kinesiology **3 hours**

Designed to introduce the basic fundamentals of kinesiology that will enable students to obtain an understanding of the anatomical and mechanical fundamentals of human motion.

365. Human Physiology **3 hours**

Designed to present the fundamental mechanisms of human physical functioning. Introductory course which presupposes a limited background in the biological sciences.

372. Physiology of Exercise/Activity **3 hours**

Designed to study the effects of physical education activities on organism and in applied physiology and environmental health. *Prerequisite: HPED 265.*

381. Skills and Techniques Individual/Dual Sports **2 hours**

Designed to improve techniques and developmental analysis of skills of selected individual/dual sports (archery, badminton, fencing, golf, gymnastics, tumbling, handball, tennis, track and field, handball, wrestling, self-defense and marital arts). Concentrates in the areas of knowledge or rules, terminology, equipment, safety techniques and learning procedures. Focus is directed towards mastering course designing, structure, organization and presentation of activity identified by the instructor

382. Skills and Techniques Team Sports **2 hours**

Designed to improve techniques and developmental analysis of skills of selected team sports (basketball, soccer, softball, team handball, touch and flag football, and volleyball). Concentrates in the areas of knowledge or rules, terminology, equipment, safety techniques and learning procedures. Focus is directed towards mastering course designing, structure, organization and presentation of activity identified by the instructor.

453. Methods and Materials for Coaching Selected Individual Sports **3 hours**

Designed to improve techniques and developmental analysis of coaching selected individual sports. Focuses in the area of effective behavioral coaching, terminology, preparations needed in becoming an effective coach and teacher. Emphasis will be directed toward mastering knowledge concerning the coaching profession and coaching philosophies. Required of all majors in physical education.

454. Methods and Materials for Coaching Selected Team Sports **3 hours**

Designed to improve techniques and developmental analysis of coaching selected team sports. Focuses in the area of effective behavioral coaching, terminology, preparations needed in becoming an effective coach and teacher. Emphasis will be directed toward mastering knowledge concerning the coaching profession and coaching philosophies. Required of all majors in physical education.

455. Tests and Measurements in Health and Physical Education **3 hours**

Designed to deal with the systematic and practical procedures for test making in Health and Physical Educational. Essential procedures for evaluating tests and their results will be covered.

456. Adapted Physical Education Programs **3 hours**

Designed to consider various forms of physical activities and how they may be modified to meet the needs of individuals who because of physical disabilities are unable to participate in regular class activities or need additional guidance beyond regular physical education activities. Offered alternate years.

458. Directed Reading and Research in HPED **3 hours**

Designed for the student to survey and critique issues pertaining to health and physical education. Focuses on techniques appropriate to experimental, descriptive, historical (and other) methods of research. Efforts will be made to discover and/or revise facts, theories and applications pertinent to problem solving and apply computer skills in analyzing and reporting data. *Prerequisite: Permission of instructor (senior status).*

461. Methods of Teaching Health and Physical Education in Pre-School and Elementary **3 hours**

Designed to explore methods and materials for teaching fundamental movement skills to small and large group in the area of body awareness, spatial orientation, relationships, energy, object manipulation, sports, rhythms, dance, games for elementary and pre-school children.

COURSE DESCRIPTIONS FOR ELECTIVE COURSES

252. Community Recreation **3 hours**
Designed to prepare the student to deal intelligently with the expanding concepts of recreation and its place in our modern society.

353. History and Principles of Health and Physical Education **3 hours**
Special references are made to historical and philosophical phrases of physical education.

462. Mechanical Analysis of Motion **3 hours**
Designed to analyze various motor activities, emphasizing the relationship of fundamental laws of physics as they pertain to motion, force, levers, moments of inertia, and hydrostatics. Provide students with scientific bases for teaching correct forms for theoretically perfect execution of fundamental movements in various physical education activities. An understanding of Kinesiology, elements dynamics, algebra and trigonometry would facilitate the students grasping the course contents. *Prerequisite: HPED 457.*

463. Methods of Teaching Physical Education in Secondary School **3 hours**
Designed to present methods and materials for teaching small and large groups stunts and singing in the secondary schools. Designed to present methods, objectives, content material, and organization procedures for teaching physical education in the secondary schools.

HISTORY

DEPARTMENTAL MISSION AND OBJECTIVES

The aims, goals and objectives of the Department of History are determined by the general mission and objectives of Morehouse College. Our primary purpose at Morehouse is to develop men who will aspire to be leaders in both the general society and the African American community.

The College's emphasis on character development is aided especially in courses such as Great Men and Women of America and Modern American Social and Intellectual History, while the History of the United States, African American History, History of the Ancient World and Topics in World History provide students a broad background upon which to build knowledge from other disciplines.

In addition to providing a program of instruction, counseling and extracurricular activities that will help students to better understand the world in which they live, how it works and the dynamics of social change, the department also prepares students for graduate study, public history and historical preservation, and law school, as well as careers in government, the ministry, business and teaching.

To accomplish these goals, the department expects students to have at the time of graduation attained the following:

1. The ability to make reasoned value judgments
2. The ability to analyze and synthesize facts
3. The ability to engage in independent scholarly endeavors

4. The ability to understand and coordinate knowledge from other disciplines
5. A scholarly, informed understanding of the cultural heritage of African American people
6. A knowledge and appreciation of cultures other than one's own
7. A demonstrated capacity and ability to speak as well as write cogently, effectively and correctly
8. A commitment to community service

DEGREE REQUIREMENTS FOR THE MAJOR

To major in history, a student must successfully complete 60 semester hours, including HIS 111-112, HIS 215-216, HIS 221-222, one semester of HIS 231, one semester of HIS 232, HIS 257-258, HIS 261, HIS 373, HIS 461, and ENG 353.

The remaining 18 hours should be taken from among departmentally approved electives. Students may use these elective hours as a minor concentration.

SUGGESTED COURSE SEQUENCE FOR THE MAJOR

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 100	3	MAT 154	3
For. Lang. 201	3	For. Lang. 202	3
HIS 111	3	HIS 112	3
BIO 101	3	PHY 102	3
HPED	1	HPED	1
Total	16 hours	Total	16 hours
Sophomore Year			
HIS 215	3	HIS 216	3
HIS 221	3	HIS 222	3
HIS 231	3	HIS 232	3
PSY 101	3	PSY 102	3
ENG 251	3	ENG 252	3
Total	15 hours	Total	15 hours
Junior Year			
HIS 257	3	HIS 258	3
HIS 261	3	Req. Selected Coll.	3
HIS 373	3	ART 110	3
ENG 353	3	MUS 111	3
PHI 201	3	PHI 202	3
Total	15 hours	Total	15 hours
Senior Year			
HIS 461	3	HIS 467	3
HIS 487	3	HIS 489	3
HIS 488	3	Req. Selected Sem.	3
Req. Selected Sem.	3	General Elective	3
General Elective	3	General Elective	3
Total	15 hours	Total	15 hours

Courses or choices required for majors and several elective history courses meet irregularly or in alternate years. Students should plan their schedules carefully, recognizing that the order of courses they wish to take may be altered.

Electives (for majors and other students)

- HIS 358 Islam in West Africa (Colloquium – 3 hours)
- HIS 361 History of the African American Church (Colloquium – 3 hours)
- HIS 451 Early American Social and Intellectual History (Seminar – 3 hours)
- HIS 452 Modern American Social and Intellectual History (Seminar – 3 hours)
- HIS 467 History of the African Diaspora in America (Seminar - 3 hours)
- HIS 476 Recent United States History (Seminar – 3 hours)
- HIS 478 The South and the African American (Seminar – 3 hours)
- HIS 487 Readings in History (Independent Study – 3 hours)
- HIS 488 Readings in History (Independent Study – 3 hours)
- HIS 489 Readings in History (Independent Study – 3 hours)
- HIS 490 Special Projects (3 hours)

Special Requirements

Freshman majors with outstanding performances in History (HIS) 111 may, upon the recommendation of their instructor and the approval of the department chair, take sophomore-level history courses during the second semester of their freshman year.

The department grants its majors credit for one semester each of United States History and History of Modern Europe for Advanced Placement (AP) and College Level (CLEP) examinations upon presentation of AP scores of three or above or similar level CLEP scores. Majors may also take a departmentally prepared and administered examination which may lead to three hours credit in United States History. Students must make a score of 75 or above on this examination.

History majors who are eligible for general honors may also try for departmental honors in history through the honors course in history; but this course may not be taken by any student except upon approval of the departments. Departmental honors will be awarded to students who successfully complete the requirements of HIS 491-492 or 493-494, with a cumulative average of at least 3.2 or higher and a favorable recommendation from the instructor.

REQUIREMENTS FOR THE MINOR IN HISTORY

To minor in history, a student must successfully complete 18 semester hours, including HIS 255-256, six semester hours from among 211, 212, 213-214, and six semester hours from among 221, 222, 257-258, and 357.

HISTORY (HIS)

111-112. World History: Topical Approaches

6 hours

Study of selected topics in the history of civilizations, with emphasis on the modern world. One-third attention given to the United States, including the African American experience; one-third attention given to Europe; one-third attention given to Africa.

215. History of the United States, to 1876

3 hours

Covers the period from colonial times to 1876. A thematic approach is used to examine such topics as Columbus: great discoveries or what?; the social and economic evolution of the colonies; women in Colonial America; The Constitution; the issue of slavery; the seeds of tension, conflict and crisis in 16th century American society; democracy and nationalism within the New Republic; the era of social and religious reform; women's rights; anti-slavery and pro-slavery arguments; the Civil War; Manifest Destiny; reconstruction and the nation.

216. History of the United States, since 1876

3 hours

Covers the period since 1876 to the present. A thematic approach is used to examine such topics as the post-reconstruction era; industrialization; the age of robber barons; American imperialism; populism; progressivism; the First World War; the Harlem Renaissance; expressions of black nationalism; the stock market crash of the late 1920s; the Great Depression; the New Deal; the Second World War; the Cold War and American politics; the Korean War; the conservative 1950s and McCarthyism; turbulent 1960s and the New Left; the civil rights movement; the new feminism; the veteran crisis; Nixon and Watergate; the presidencies of James E. Carter and Ronald Reagan; domestic and foreign policy in the 1980s; African Americans and the political right; George Bush and the defusion of the cold war; economic prosperity and the Clinton administration.

221. History of African Americans

3 hours

Begins with the African background of African Americans and continues through the period of African and African American bondage to the constitutional emancipation of bondspersons in 1865.

222. History of African Americans

3 hours

Covers the experiences of blacks in the United States from the end of the Civil War to the present.

231. History of the Ancient World

3 hours

Surveys the ancient history from the emergence of humans to 500 C.E., followed by detailed study of two or three civilizations including Ancient China and Ancient Greece. Students will read primary as well as secondary works. The course requires use of the computer and is writing intensive.

232. History of Modern Europe

3 hours

Surveys modern European history from the 17th Century to the present. Topics include the French Revolution and Napoleon; Industrialization; Liberalism and Nationalism in Politics; Rise of New States; socialism and communism; colonial policy; racism; balance of power; World War I; three-cornered struggle between World War I and World War II; intellectual trends between the wars; post-war Europe after World War II; conflict, cold war, and the balance of terror; recovery, democracy, and prosperity in Western Europe; end of the British and French empires; formation of the European Economic Community and its evolution into the European Union; fall of communism in East Europe. Students will read primary as well as secondary works. The course requires use of the computer and is writing intensive.

257-258. History of Africa

6 hours

Study of important themes in the historical development of Africa from the beginnings to the present. Represents an overview of the social, political and economic affairs of the continent. Major topics include the origin of humankind; growth of empire and trade; slavery and the slave trade; the transition from the slave trade to "legitimate" commerce in agricultural and sylvan products and minerals; European imperialism and the partitioning of Africa; colonial rule and "dependency" relationships; the spread of Islam and Christianity; the role of women in contemporary Africa; the development of political parties after World

War II and the attainment of independence by the European-dominated colonies; the European Common Market and Africa.

261. Latin American/Caribbean Studies **3 hours**
Survey of Latin American/Caribbean history and culture with emphasis on the influence of African peoples. Major topics include Pre-Columbian cultures and differences among races, classes, castes, colonial affiliations, nationalities and ideologies.

321. Urban History of the United States **3 hours**
Survey of recent developments in urban history. *Prerequisites: HIS 215-216. Offered in alternate years.*

361. History of the African American Church **3 hours**
Deals with social and political forces, issues and personalities in the African American Church since the Civil War. *Offered in alternate years.*

373. Revolution and Modernization (Mandatory Colloquium) **3 hours**
Examines revolutions that have influenced modernization including those in Africa, Europe, Asia, the Americas and other parts of the world. Since the teaching of this course will be done on a rotational basis, the topics to be included will be selected by the responsible instructor. Students will read primary as well as secondary works. The course may require the use of the computer and is writing intensive.

451. Early American Social and Intellectual History **3 hours**
Colonial Period to mid-nineteenth century. Study of major problems in development of American culture; puritanism and individualism; open society and self-made man; revolution; frontier; democracy and dissent; impact of slavery. *Irregular offering.*

452. Modern American Social and Intellectual History **3 hours**
Post-Civil War to present; consensus and dissent in American Life; immigration; urbanism; reconstruction and the New South; labor consciousness and the development of unions; the rejection of socialism; the Jazz Age; despair and depression; the intellectual radical; black protest. *Irregular offering.*

461. Great Men and Women of America (Mandatory Seminar) **3 hours**
Selected biographies. Critical analysis. Research. Oral and written reports. Special emphasis on black makers of history. *Prerequisites: His 215-216 and the consent of the instructor.*

467. History of the African Diaspora in America **3 hours**
Major topics include the African Presence in the Americas before Columbus; Africa and nation-building; the impact of slavery in the Americas; influence of African culture on music, religion, and art; African women in the Americas; modern-day relationships of Africans and African Americans.

476. Seminar in Recent United States History **3 hours**
Selected topics, 1677-present. Critical analysis. *Prerequisites: HIS 215-216 and consent of the instructor. Offered in alternate years.*

478. The South and the African American **3 hours**
Offers an intensive study of the South with major emphasis on the role of blacks from colonial times to about 1929. *Offered in alternate years.*

487. Readings in History **3 hours**
Independent reading and research. *Prerequisites: Junior or senior standing and consent of the instructor.*

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488. Readings in History **3 hours**
Independent reading and research. *Prerequisites: Junior or senior standing and consent of the instructor.*

489. Readings in History **3 hours**
Independent reading and research. *Prerequisites: Junior or senior standing and consent of the instructor.*

490. Special Projects **3 hours**
Permits students to engage in non-traditional studies and other activities with academic value. *Consent of the department chair is required.*

491-492. Honors in U.S. History **6 hours**
Permits the senior honor student to engage in intensive and independent reading and research on selected topics in U.S. history between 1829 and 1877. (Second semester, 1877-1929). *Prerequisites: HIS 215-216 or at least junior standing and consent of the instructor.*

493-494. Honors in European and Non-Western History **6 hours**
Permits the senior honor student to engage in intensive and independent reading and research on selected topics in European and Non-Western History. *Prerequisites: HIS 231 and HIS 232 and consent of the instructor.*

INTERNATIONAL STUDIES

The International Studies Program at Morehouse offers an interdisciplinary major designed to meet the growing demand for skills in the analysis and solution of contemporary world problems, including the special need to prepare African Americans for career opportunities and service in international affairs. The program includes pre-professional training for individuals interested in careers in government (national, state and local), business, law, and journalism as well as careers as translators, interpreters, and literary critics. This undergraduate program also includes preparation for graduate and professional studies.

Although the students of international studies have usually come from the traditional discipline of political science, a growing number of students from other disciplines are becoming interested in the greater world in which we live — the economic, social and cultural forces in the international community which shape our lives, and the important issue of peaceful coexistence. In response to this trend, the program permits students majoring in international studies to emphasize either political science, sociology, economics, the humanities or natural sciences.

In order to major in international studies, the student must complete 39 core hours including ECO 201, SOC 202 or ENG 354, one course in history of a region of the world, two advanced foreign language courses, PSC 285, 479 or PSC 363 (Spelman, American Foreign Policy), or PSC 480, PSC 385, PSC 484, PSC 228, PSC 487 or ECO 202, PSC 291 or PSC 475 or PSC 477 and IST 499.

Students will also choose six hours of electives (including internship and 15 hours in a disciplinary concentration — business and economics, humanities, social sciences and natural sciences).

In consultation with the program director, a student majoring in international studies will select 21 hours of electives to design a concentration that reflects his individual interest and needs. It is advisable for students in the program to study abroad.

REQUIREMENTS FOR THE MAJOR

Core Courses (39 Hours)

Economics 201: Principles of Economics	3
Sociology 202: Cultural Anthropology	
or	
English 354: Intercultural Communication	3
One course in African or Asian or Caribbean	3
or European or Latin American History	
Two advanced courses in foreign languages:	6
Political Science 285: Intro to International Relations	3
Political Science 479: Comparative Foreign Policy	3
or	
American Foreign Policy (Spelman, PSC 363)	
or	
Political Science 480: Diplomacy	3
Political Science 385: Theories of International	3
Relations/Politics:	
Political Science 484: International Law	3
Political Science, 228 Comparative Politics	3
Political Science 487: International Organizations	
or	
Economics 202: Micro-economics	3
Area Studies: Latin America (PSC 475)	
or	
Third World (PSC 291) or African Politics (PSC 477)	3
Senior Thesis: IST 499	3

Disciplinary Concentration (15 Hours)

The student majoring should take five courses in one of the following disciplinary areas:

- Business and Economics Concentration
- Humanities Concentration (English, Foreign Language, History, etc.)
- Social Science Concentration (Political Science, Sociology, Psychology)
- Natural Sciences and Mathematics (Chemistry, Biology, Physics, etc.)

Electives (6 hours)

An internship may count as one of the electives. Students are advised to seek internships and study abroad opportunities.

Students taking a double major are required to fulfill the core requirements. It is, however, possible at the discretion of the program director to satisfy some of the non-core courses with courses in the other major.

Students wishing to minor in international studies are required to take 18 hours made up from

Political Science 487: International Organizations or Political Science 484: International Law or Political Science 480: Diplomacy	3
Economics 201: Principles of Economics or Sociology 202: Cultural Anthropology	3
English 354: Intercultural Communication	3
History of Europe, History of Africa, History of the Caribbean, History of Asia, or History of Latin America	3
Political Science 285: Introduction to International Relations/Politics	3
PSC 479 : Comparative Foreign Policy or PSC 363: American Foreign Policy (Spelman, PSC 363)	3

COURSE SEQUENCE

Freshman Year			
Spring Semester		Fall Semester	
English 101	3 hours	English 102	3 hours
History 111	3	History 112	3
Math 101 or 140	3	Math 140 or 142	3
MFL 101	3	MFL 1022	3
Biology	3	Physics 102	3
HPED Course	1	HPED Course	1
Total	16 hours	Total	16 hours
Sophomore Year			
English 251	3	Humanities	3
Social Science Course	3	Social Science Course	3
MFL 201	3	Social Science Course	3
Humanities		Course	3
MFL 202	3		
Economics 201	3	PSC 285	3
Total	15 hours	Total	15 hours
Junior Year			
Oral Effectiveness Course	3	Advanced Foreign Language	3
SOC 202 or ENG 354	3	Elective	3
European History/African History/Asian/Latin	3	PSC 228 or ECO 202	3
American/Caribbean History	3	PSC 391 or 475	3
Advanced Foreign Language	3	PSC 477	3
PSC 385 or PSC 480	3		
Total	15 hours	Total	15 hours

Senior Year			
PSC 487	3	PSC 484	3
Courses in Concentration	12	PSC 49 or PSC 363	3
		PSC 487	3
		Course in Concentration	3
		Senior Thesis	3
Total	15 hours	Total	15 hours

INTERNATIONAL STUDIES

401-402. Internship

Meshes academic training with the practical experience in international affairs. Provides exposure to various organizations concerned with international affairs. *Consent of program director.*

493. Directed Readings

Provides student the opportunity to explore an international issue in depth. *Prerequisite: Consent of the instructor.*

499. Senior Thesis

The course is designed to enable each major to demonstrate his mastery of an international problem by researching and writing an acceptable thesis. *Prerequisite: Seniors only.*

MATHEMATICS

The Department of Mathematics strives to prepare students for successful graduate study or a career in private industry, governmental service, or teaching.

Our mission is to expose the students of Morehouse College to a wide and balanced mathematics curriculum that includes a variety of areas. To accomplish this mission, we incorporate in our courses materials that motivate students and increase their abilities. We introduce students to a variety of applications of mathematics. We strive to produce students who are capable of reasoning abstractly and logically, and who are able to use technologies to solve real-world problems.

A student pursuing a major in mathematics is encouraged to choose a minor in one of a variety of areas in the physical, social, managerial, biological, chemical, computer or engineering sciences in which mathematics is an essential tool.

REQUIREMENTS FOR A DEGREE IN MATHEMATICS

In order to qualify for a Bachelor of Science in mathematics a student has a choice of following two distinct tracks. The B. S. degree (Track I) is well suited for a student who plans to further his study of mathematics in graduate school. The B. S. (Track II) degree is well suited for a student in the Dual Degree

Program who plans to complete a major in mathematics at Morehouse and a major in engineering at another institution.

Under Track I, a student must complete MAT 161, 162, 255, 263, 271, 361, 362, 371, 372, 497; he must complete either MAT 321 or 341; and, he must complete two other 400-level or one other 300-level and one other 400-level (42 hours) mathematics courses. In addition, the student is required to complete six other mathematics or science courses from the approved cognate list. The six courses must include a three-hour course in computer programming and one sequence (two courses) of other mathematics or science courses from the approved cognate course list (for example: MAT 341 and 342, BIO111 and 112 or CS 110 and 160) selected by the student in consultation with his adviser and approved by the department. Finally, the student may choose nine hours of mathematics or science cognate electives from the approved list of cognate electives for the B. S. A grade of C or better is required in all courses counted toward the degree. The maximum number of semester hours of mathematics course work applied to the mathematics major is restricted to 54 hours. Thus, the total course load required for the B. S. in mathematics is 60 hours.

Under Track II, a student must complete MAT 161, 162, 255, 263, 271, 321, 341, 361, 371, 497; he must complete either MAT 362 or 372; and, he must complete two other mathematics courses at the 300-level or above (42 hours). In addition, the student is required to complete six other mathematics or science courses from the approved cognate list. The six courses must include a three-hour course in computer programming and one sequence (two courses) of other mathematics or science courses from the approved cognate course list (for example: MAT 341 and 342, BIO 111 and 112 or CS110 and 160) selected by the student in consultation with his adviser and approved by the department. Finally, the student may choose nine hours of mathematics or science cognate electives from the approved list of cognate electives for the B. S. A grade of C or better is required in all courses counted toward the degree. The maximum number of semester hours of mathematics course work applied to the mathematics major is restricted to 54 hours. Thus, the total course load required for the B. S. in mathematics is 60 hours.

In order to qualify for a Bachelor of Arts in Mathematics, a student must complete MAT 161, 162, 255, 263, 271, 361, 371, 497; he must complete either MAT 321 or 341; he must complete either MAT 362 or 372; and he must complete three other mathematics courses at the 300 or above level of which at least one must be at the 400-level (42 hours). In addition, the student is required to complete 18 hours of cognate electives selected by the student in consultation with his adviser and approved by the chairman of the mathematics department. A three-hour course in computer programming must be included in the 18 hours of cognate electives. A grade of C or better is required in all courses counted toward the degree. The maximum number of semester hours of mathematics course work applied to the mathematics major is restricted to 54 hours. Thus, the total course load required for the B. A. in mathematics is 60 hours.

A student who has completed the degree requirements for a major in mathematics may also be recommended to receive departmental honors provided he qualifies for college honors, receives a grade of B or better in MAT 497, and has an average of 3.0 or better in all mathematics courses taken in residence.

To qualify for a minor in mathematics, a student must complete the following mathematics courses: MAT 161, 162, 255, 263 and 271.

Cognate Electives

The approved list of cognate electives for the B. S. includes, but is not limited to the following:

MAT 321	MAT 327	MAT 342	MAT 398
MAT 325	MAT 341	MAT 391	MAT 463

MAT 465	BIO 251	CS C 110	HEGR 300 or above
MAT 467	BIO 300 or above	CS C 160	ECO 201
MAT 475	CHE 111	CSC 250	ECO 202
MAT 485	CHE 112	CSC 285	ECO 300 or above
MAT 487	CHE 211	CSC 300 or above	PHY 154
MAT 498	CHE 231	HEGR 201	PHY 253
BIO111	CHE 232	HEGR205	PHY 254
BIO 112	CHE 300 or above	HEGR 206	PHY 300 or above
BIO 220			

COURSE SEQUENCE FOR MAJORS IN MATHEMATICS

Suggested pace for the B.S. (track I)

Freshman Year

Math 161, 162 plus core curriculum courses

Sophomore Year

Math 255, 263, 271 plus finish core curriculum courses

Junior Year

361, 362, 371, 372, and 321 or 341 plus other science or mathematics

Senior Year

497, two other 400-levels, or one other 300-level and one other 400-level plus other science or mathematics

Suggested pace for the B.S. (track II)

Freshman Year

Math 161, 162 plus core curriculum courses

Sophomore Year

Math 255, 263, 271 plus finish core curriculum courses

Junior Year

321, 341, 361, 371, and 362 or 372 plus other science or mathematics

Senior Year

497, two other 300-level or above mathematics courses plus other science or mathematics

Suggested pace for the B.A.

Freshman Year

Math 161, 162 plus core curriculum courses

Sophomore Year

Math 255, 263, 271 plus finish core curriculum courses

Junior Year

361, 371, 321 or 341, 362 or 372, and another 300 level math course plus cognate electives

Senior Year

497, one other 300- or 400-level, and one other 400-level math course plus cognate electives

Model Plan of Study for B. S. in Mathematics Track I

Freshman Year

First Semester		Second Semester	
MAT 161	4 hours	MAT 162	4 hours
ENG 101	3	CSC 110 (Programming Cognate)	3
HIS 111	3	ENG 102	3
MUS 111	3	HIS 112	3
EDU 151	0	PSY 101	3
EDU 153	0	EDU 152	0
HPED 151	1	EDU 154	0
Total	14 hours	Total	16 hours

Sophomore Year

First Semester		Second Semester	
Math 263	4	MAT 271	3
MAT 255	3	MAT or Science Cognate Elective	3
MFL 201	3	MFL 202	3
ENG 250	3	REL 201	3
EDU 251	0	PHY 154	4
HPED 154	1	EDU 252	0
Total	14 hours	Total	16 hours

Junior Year

First Semester		Second Semester	
MAT 361	3	MAT 362	3
MAT 371	3	MAT 372	3
MAT 321 or 341	3	MAT or Science Cognate Elective	3
ART 110	3	MAT or Science Cognate Elective	3
PHI 261	3	ENG 253	3
EDU 351	0	EDU 352	0
Total	15 hours	Total	15 hours

Senior Year

First Semester		Second Semester	
MAT 497	3	MAT Elective (400-level)	3
MAT Elective (300- or 400-level)	3	MAT or Science Cognate Sequence	3
MAT or Science Cognate Sequence	3	ECO 201	3
BIO 111	4	Free Elective	2
Free Elective	3	Free Elective	3
Total	16 hours	Total	14 hours

Model Plan of Study for B. S. in Mathematics Track II

Freshman Year

First Semester		Second Semester	
MAT 161	4 hours	MAT 162	4 hours
ENG 101	3	CSC 110 (Programming Cognate)	3
HIS 111	3	ENG102	3
MUS 111	3	HIS 112	3
EDU 151	0	PSY 101	3
EDU 153	0	EDU 152	0
HPED 151	1	EDU 154	0
Total	14 hours	Total	16 hours

Sophomore Year

First Semester		Second Semester	
MAT 263	4	MAT 271	3
MAT 255	3	MAT or Science Cognate Elective	3
MFL 201	3	MFL 202	3
ENG 250	3	REL 201	3
EDU 251	0	PHY 154	4
HPED 154	1	EDU 252	0
Total	14 hours	Total	16 hours

Junior Year

First Semester		Second Semester	
MAT 361	3	MAT 341	3
MAT 371	3	MAT 362 or 372	3
MAT 321	3	MAT or Science Cognate Elective	3
ART 110	3	MAT or Science Cognate Elective	3
PHI261	3	ENG 253	3
EDU 351	0	EDU 352	0
Total	15 hours	Total	15 hours

Senior Year

First Semester		Second Semester	
MAT 497	3	MAT Elective (300 or 400 level)	3
MAT Elective (300 or 400 level)	3	MAT or Science Cognate Sequence	3
MAT or Science Cognate Sequence	3	Economics 201	3
Biology 111	4	ree Elective	2
Free Elective	3	Free Elective	3
Total	16 hours	Total	14 hours

Model Plan of Study for B. A. in Mathematics

Freshman Year			
First Semester		Second Semester	
MAT 161	4 hours	MAT162	4 hours
ENG 101	3	CSC 110 (Programming Cognate)	3
HIS 111	3	ENG 102	3
MUS 111	3	HIS 112	3
EDU 151	0	PSY 101	3
EDU 153	0	EDU 152	0
HPED 151	1	EDU 154	0
Total	14 hours	Total Hours	16 hours
Sophomore Year			
First Semester		Second Semester	
MAT 263	4	MAT 271	3
MAT 255	3	Cognate Elective	3
MFL 201	3	MFL 202	3
ENG 250	3	REL 201	3
EDU 251	0	PHY 154	4
HPED 154	1	EDU 252	0
Total	14 hours	Total Hours	16 hours
Junior Year			
First Semester		Second Semester	
MAT 361	3	MAT 362 or 372	3
MAT 371	3	MAT Elective (300 or 400 level)	3
MAT 321 or 341	3	Cognate Elective	3
ART110	3	Cognate Elective	3
PHI 261	3	ENG 253	3
EDU 351	0	EDU 352	0
Total	15 hours	Total	15 hours
Senior Year			
First Semester		Second Semester	
MAT 497	3	MAT Elective (400 level)	3
MAT Elective (300 or 400 level)	3	Cognate Elective	3
Cognate Elective	3	ECO 201	3
BIO 111	4	Free Elective	2
Free Elective	3	Free Elective	3
Total	16 hours	Total	14 hours

Special College Core Curriculum Requirements

To satisfy the special college core curriculum requirements in oral communication effectiveness, each mathematics major in consultation with his adviser will take one of the following courses: Principles of Speech Communication, Professional Communication, Communicating in Small Groups and Teams, Public Speaking, Argumentation and Debate or Semantics. For a Bachelor of Science in mathematics a student must take BIO 111 and either PHY 154 or CHE 111 to satisfy the college core curriculum requirement in science.

The College core curriculum is satisfied by successful completion of the sequence MAT 100 and 110 (for students majoring in a program in the Division of Humanities), the sequence MAT 100 and 120 (for students majoring in a program in the Division of Business and Economics or for students majoring in non-mathematics program in the Division of Science and Mathematics), MAT 161 and 162 (for students majoring in mathematics).

Alternate satisfaction: sequence MAT110 and 130 (Division of Humanities); MAT 120 and 160 (Division of Business and Economics); MAT 130 and 160 (Division of Business and Economics); MAT 120 and 157 (Division of Business and Economics or Division of Science and Mathematics (non-mathematics major)); MAT 120 and 161 (Division of Business and Economics or Division of Science and Mathematics (non-mathematics major); or, MAT 161 and 162 (Division of Business and Economics or Division of Science and Mathematics). Any other sequence must be approved by the Department of Mathematics.

MATHEMATICS (MAT)

090. Basic Mathematics

3 hours

A review of intermediate algebra. Topics include arithmetic of natural numbers, integers, and real numbers; operations with algebraic expressions; exponents and radicals; linear equations and inequalities; and, quadratic equations and inequalities. (*Institutional credit only*)

100. College Algebra

3 hours

A course designed to provide the student with the fundamental concepts of algebra which are essential for all higher mathematics courses. After completing this course, the student should understand the concepts and know how to apply the knowledge of algebraic equations and inequalities; functions and graphs; polynomial and rational functions; exponential and logarithmic functions; and, systems of equations and inequalities. *Prerequisite: Math 090 with a C or better or mathematics placement.*

110. Finite Mathematics

3 hours

A course designed to provide the non-science/mathematics/engineering/business student an intense introduction to the foundations and fundamentals of mathematics for liberal arts majors. This course gives an introduction to many branches of mathematics and concentrates on pertinent and concrete examples and applications. After completing this course, the student should be able to work basic problems and word problems in linear algebra, logic, set theory, counting theory, probability, and statistics. *Prerequisite: MAT 100 with a C or better or mathematics placement.*

120. Pre-calculus

3 hours

Trigonometric functions; exponential and logarithmic functions; analytic geometry; mathematical induction; complex numbers; and the binomial theorem. *Prerequisite: Math 100 with a C or better or mathematics placement.*

130. Basic Statistics

3 hours

A course designed to provide the student an intense foundational introduction to the fundamentals of statistics. The course includes an introduction to frequency of distribution and graphs; measures of central tendency; measures of variation; normal distribution; sampling; hypothesis testing; correlation; and linear regression. Also included is the use of some statistical packages (Excel, Minitab, SPSS, SAS, etc.). *Prerequisite: Math 110 with a C or better or mathematics placement.*

157. Principles of Mathematics

3 hours

The Principles of Mathematics is a course designed to provide the student a strong foundation in the fundamentals of mathematics. Topics included are axiomatic logic; predicate calculus; syllogistic logic; basic logic proof techniques; axiom systems; the philosophy of mathematics; and, the first principle of mathematical induction. Also included are introductions to linear algebra; sets; combinatorics; probability; and, statistics. Emphasis is placed on logic and its role as one of the foundations of mathematics.

Prerequisite: MAT 120 with a C or better or mathematics placement.

160. Calculus for Business

3 hours

A course designed to provide the business student a concentrated foundational introduction to the fundamentals of applied calculus. The course includes an introduction to both differential and integral calculus with a concentration in business applications. *Prerequisite: MAT 110 or MAT120 with a C or better or mathematics placement.*

161. Calculus I

4 hours

Calculus I is a first course in differential calculus and basic integral calculus. Topics included are limits, continuity, elementary transcendental functions, plane analytic geometry, differentiation, implicit differentiation, related rates, maxima and minima, the fundamental theorem of calculus, and introduction to definite integral with applications. *Prerequisite: MAT 120 with a C or better or mathematics placement.*

162. Calculus II

4 hours

Calculus II is a continuation of MAT161. Topics included are techniques and applications of integration, polar coordinates, parametric equations, infinite sequences and series, numerical integration, differential equations, L'Hôpital's rule, and improper integration. *Prerequisite: MAT 161 with a C or better or mathematics placement.*

211. Introduction to Discrete Mathematics

3 hours

Discrete Mathematics is a course designed to provide the student an intense foundational introduction to "discrete" methods of mathematics. Topics included are logic; elementary set theory; algebraic structures; combinatorics; Boolean algebra; recurrence relations; and, graph theory. This course is primarily designed for students in computer science; but, students in other disciplines also benefit from a study of "discrete" methods as a complement to "continuous" methods. *Prerequisite: MAT 110 or MAT 120 with a C or better.*

255. Introduction to Set Theory

3 hours

Introduction to Set Theory is a course designed to provide the student an introduction to the nature of mathematics and the use of proof. Topics included are a review of logic; reading, understanding, and constructing proofs; the first and second principle of mathematical induction, quantification, sets and their properties; axiomatics; product sets; relations; functions; cardinality; and, ordinality. Emphasis is placed on sets and their role as one of the foundations of mathematics. *Prerequisite: MAT 161 with a C or better.*

263. Calculus III

4 hours

Calculus III is a continuation of Math 162. Topics included are multivariable calculus, solid analytic geometry, linear approximation and Taylor's theorems, Lagrange multiples and constrained optimization, multiple integration and vector analysis including the theorems of Green, Gauss and Stokes; vector functions and curves in space, functions of several variables and partial derivatives. *Prerequisite: MAT 162*

with a C or better.

271. Introduction to Linear Algebra **3 hours**

Topics included are matrices, determinants; simultaneous linear equations; vectors; linear transformations; matrix calculus; canonical forms; special matrices; applications to linear systems; least squares problems and, eigenvalues and eigenvectors. *Prerequisite: MAT161 with a C or better.*

321. Introduction to Ordinary Differential Equations **3 hours**

Ordinary Differential Equations Theory is a course designed to provide the student an introduction to mathematical formulation of physical problems in terms of ordinary differential equations, solutions to these equations, and physical interpretations of these solutions. Topics included are first order equations, n^{th} order equations; numerical approximation techniques; Laplace transforms and systems of equations. *Prerequisite: MAT 162 with a C or better.*

325. Applied Mathematics I **3 hours**

Applied Mathematics I is a course designed to provide the student an introduction to selected topics from convergence of infinite series and sequences; second order ordinary differential equations; uniform convergence; regions; Fourier series and integrals; eigenvalues and eigenfunctions; adjointness and boundary-value problems; and, Sturm-Liouville Theory. *Prerequisites: MAT 263 and Maat 321 with a C or better.*

327. Applied Mathematics II **3 hours**

Applied Mathematics II is a continuation of Applied Mathematics I. Topics include partial differential equations; conformal mappings applications to two-dimension potential problems; classification of second order partial differential equations; complex variables; integral equations; conformal mappings; Green's functions; Legendre functions; Bessel functions; integral equations; wave motion; heat conduction; and L^2 functions. *Prerequisite: MAT 325 with a C or better.*

341. Probability and Statistics I **3 hours**

Probability and Statistics I is a course designed to provide the student an introduction to the mathematical theory of probability and statistics. Topics include the combinatorial analysis; axioms of probability; conditional probability; random variables; mass functions; distribution functions; discrete and continuous probability functions; marginal distributions; special distributions; joint distributions; and, properties of expectation. *Prerequisites: MAT 255 or MAT 211; and, Math 162 with a C or better.*

342. Probability and Statistics II **3 hours**

Probability and Statistics II is a continuation of Probability and Statistics I. Topics include random processes; the expected value; variance; covariance; correlation; conditional expectation; moment generating functions; Chebyshev's Inequality; the Central Limit Theorem; estimation theory; bounding; hypothesis testing; analysis of variance; regression; parametric statistics; and, and non-parametric statistics. *Prerequisite: MAT 341 with a C or better.*

361. Real Analysis I **3 hours**

The theory of single-variable calculus; elementary topology of the reals; limits; convergence; sequences; continuity; differentiability; and integrability. *Prerequisites: MAT 255 and MAT 263 with a C or better.*

362. Real Analysis II **3 hours**

Real Analysis II is a continuation of Real Analysis I. The theory of multi-variable calculus; series; transformations; uniform convergence; differentiation; and, integration. *Prerequisites: MAT 271 and MAT 361 with a C or better.*

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371. Abstract Algebra I **3 hours**

Topics include groups; subgroups; cyclic groups; permutation groups; normal subgroups and quotient groups; homomorphisms; isomorphisms; and the fundamental isomorphism theorems; fundamental theorem of finite abelian groups; rings; integral domains; fields; subrings and ideals; quotient rings; ring homomorphism; and polynomial rings with coefficients in a field. *Prerequisites: MAT 255 or MAT 211; and, MAT 271 with a C or better.*

372. Abstract Algebra II **3 hours**

Abstract Algebra II is a continuation of Abstract Algebra I. Topics include Sylow theorems; prime ideals; principal ideals and principal ideal domains; unique factorization domains; Euclidean domains; field extensions; and Galois Theory. *Prerequisite: MAT 371 with a C or better.*

391. Special Topics in Mathematics **3 hours**

Designed to expose the student to areas of mathematics which are not part of the current curriculum, but are recognized as important to the field. Particular attention is focused on recent advances in mathematics. *Prerequisites: Dependent on the subject.*

398. Directed Reading **1 hour**

Student works with a faculty tutor who advises him in choice of material to be read. The student meets with the advisor frequently to discuss the topic studied. This course may be taken at most three times. *Prerequisite: Math 255 and consent of instructor and department.*

463. Real Variables **3 hours**

Topics include advanced theory of the reals; Lebesgue integration; metric spaces; L^p spaces; Banach spaces; measure theory; and, Borel sets. *Prerequisite: MAT 362 with a C or better.*

465. Complex Variables **3 hours**

Topics include elementary properties of real and complex numbers; elementary topology in the complex plane; continuity, differentiability, and integrability of a complex variable; the Cauchy Theorem; Cauchy integral formula; elementary complex functions; complex sequences and series; Laurent and Taylor series; residue theory; and, contour integration. *Prerequisite: Math 361 with a C or better.*

467. Numerical Analysis **3 hours**

Topics include the basic concepts of numerical analysis; interpolation; finite differences; integration and approximation of orthogonal functions. Trigonometric interpolation; inverse interpolation; least squares; asymptotic representation; differential equations; continued fractions; and, linear programming. *Prerequisites: MAT 263, MAT 271, and MAT 321 with a C or better.*

475. Number Theory **3 hours**

Topics include divisibility; Euclidean algorithm; primes; linear and quadratic congruences; arithmetic functions; primitive roots and indices; diophantine equations; and, cryptography. *Prerequisite: MAT 371 with a C or better.*

485. Topology **3 hours**

Topics include metric spaces; pseudometrics; topologies; continuous functions; compactness; connectedness; continua; separation axioms; Moore spaces; Tychonoff spaces; Hausdorff spaces. *Prerequisite: MAT 361 with a C or better.*

487. Differential Geometry **3 hours**

Topics include differential manifolds; tangent spaces; theory curves; torsion; the Frenet frame; directional

forms; surfaces; tensor analysis; shape operators; orientation; and, intrinsic geometry. *Prerequisite: Math 361 and Math 271 with a C or better.*

497. Senior Seminar

3 hours

As the capstone course in mathematics, the Senior Seminar will seek to integrate concepts, theories and their applications from the various subfields of Mathematics. All students will be required to research, write, and present a substantive paper in their respective areas of concentration. *Prerequisites: MAT 361 and MAT 371 with a C or better.*

498. Directed Reading and Research

1 hour

Student works with a faculty tutor who advises him in choice of material to be read and researched. The student meets with the advisor frequently to discuss and present the topic studied. This course may be taken at most 3 times. *Prerequisites: MAT 361, MAT 371, or MAT 398 and consent of instructor.*

MODERN FOREIGN LANGUAGES

SPECIAL NOTE TO NEW STUDENTS: LANGUAGE REQUIREMENT

Beginning with the academic year of '95, the foreign language requirement of the General Studies Curriculum at Morehouse College is satisfied by taking two semesters (6 hours) of a foreign language at the 201-202 intermediate level. Courses taken at the 101-102 elementary level can be taken for elective credit only.

MISSION AND OBJECTIVES

The Department of Modern Foreign Languages, which offers French, German, Japanese, Russian, Spanish and Swahili, is aware of the changing world scene which makes proficiency in a modern foreign language especially essential to Morehouse College students as they prepare themselves to enter the mainstream of professional life in economics, politics, business, medicine law, etc. Graduates with a sound background in a language other than their own are increasingly in demand by the private business sector, government organizations, the scientific community and foreign countries seeking technological assistance. These areas offer new career paths for foreign language students that augment the traditional path which led to careers in the humanities.

Accordingly, the department offers major and minor concentrations in French and Spanish. The course of studies leading to a major requires 30 hours of classes beyond the general studies requirement. These hours will be designed to reinforce the reading and writing skills and oral proficiency in the selected language as well as provide an in-depth study of the literary and cultural contributions of the relevant country or countries through courses dealing with specific genre, historical periods and, authors.

It is expected that students who have completed the prescribed course of studies for a major concentration in a foreign language will be able to read, write and, speak at an advanced level according to the guidelines established by the American Modern Foreign Languages Council of Teachers of Foreign Lan-

guages (ACTFL). Students will also have demonstrated a general knowledge of the literature and culture of the country or region in which they have chosen to specialize.

In order to encourage students to travel and study abroad, the department cooperates with several established educational organizations that provide semester or full academic year programs in foreign countries. Students may complete a substantial part of their requirements for a major concentration in a language through one of these programs. In addition, the department sponsors its own summer study abroad programs in Mexico and Martinique. See the department or the Morehouse College Director for Study Abroad Programs for further details.

A student who has chosen a major in a foreign language may qualify for departmental honors by satisfying the following requirements: (1) eligibility for college honors, (2) a 3.50 grade-point average within the Department, and (3) successful completion of a designated research project that will be evaluated by a departmental committee. The latter condition will require enrollment in a 440 Directed Study course under the supervision of a selected faculty member of the Department.

Sigma Delta Pi. Since 1984, Morehouse College has had a chapter of the National Hispanic Honor Society. Requirements include at least 18 hours in Spanish, a minimum 3.5 average in the major courses attempted and eligibility for college honors.

Pi Delta Phi. Since 1965, Morehouse College had had a chapter (Beta Upsilon) of the National French Honor Society. Requirements include a minimum 3.00 GPA and a minimum 3.00 in all major courses with no grade below C in major courses.

NOTE: All students majoring in a modern foreign language are required to take ENG 354, Intercultural Communication, as a cognate elective. In special circumstances, and with the approval of the Department, a student may substitute another course offered by the Speech Program in order to satisfy this requirement.

FRENCH

The course of studies leading to a major in French requires no fewer than 30 hours beyond the general studies requirement (FRE 201-202). These hours must include FRE 311, 312, 331, 341, 342, 447, 446 and three more courses at the 400 level. Substitutions may be approved by the department. FRE 251 and 252 may be counted towards a major or minor. Students planning to certify as French teachers at the elementary or secondary level should also take FRE 492, Applied Linguistics and FRE 491, Methods of Teaching Modern Foreign Languages.

To minor in French, a student must complete no fewer than 16 hours in French beyond the general studies requirement. Within these hours must be included FRE 311-312, 331, and 341-342.

COURSE SEQUENCE FOR MAJORS IN FRENCH

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
HIS 111	3	HIS 112	3
MAT 100	3	MAT 140	3
FRE 201,251, or higher	3	FRE 202, 252, or higher	3
BIO 101	3	PHY 102	3
Total	15 hours	Total	15 hours

Sophomore Year

Fall Semester		Spring Semester	
ENG 251	3	HUM	3
HUM	3	HUM	3
SOC 101	3	PSY 101	3
FRE 331	3	HUM	3
FRE 341	3	FRE 342	3
Total	15 hours	Total	15 hours

Junior Year

Fall Semester		Spring Semester	
FRE 311	3	FRE 312	3
FRE 446	3	Free Elective	3
FRE 447	3	FRE 448	3
ENG 354	3	Free Elective	3
Free Elective	3	Free Elective	3
Total	15 hours	Total	15 hours

Senior Year

Fall Semester		Spring Semester	
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
HPED	1	HPED	1
Total	16 hours	Total	16 hours

Note: Summer study abroad credit is given with departmental approval and can substitute for certain courses offered during the regular academic year: in particular, refer to FRE 253, FRE 254, and FRE 305). The 300 and 400 level courses are offered in conjunction with Spelman College.

SPANISH

The course of studies leading to a major in Spanish requires no fewer than 30 hours beyond the general studies requirement (SPA 201-202). These hours must include SPA 303, 304, 306, 307, 309-310 and 311-312, and at least two courses at the 400 level. Substitutions may be approved by the Department. SPA 251-252 may be counted toward a major or minor. Students planning to certify as Spanish teachers at the elementary or secondary level should also take SPA 491, Methods of Teaching Foreign Languages and SPA 492, Applied Linguistics.

To minor in Spanish, a student must complete no fewer than 16 hours beyond the general studies requirement. Within these hours must be included SPA 303, 304, 306, 307, 311 and any one of the following: 309, 310 or 312.

COURSE SEQUENCE FOR MAJORS IN SPANISH

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
HIS 111	3	HIS 112	3
MAT 100	3	MAT 140	3
SPA 201 or 251	3	SPA 202 or 252	3
BIO 101	3	PHY 102	3
Total	15 hours	Total	15 hours
Sophomore Year			
Fall Semester		Spring Semester	
ENG 251	3	HUM	3
HUM	3	HUM	3
SOC 101	3	PSY 101	3
SPA 303	3	SPA 304	3
SPA 306	3	SPA 307	3
Total	15 hours	Total	15 hours
Junior Year			
Fall Semester		Spring Semester	
HUM	3	ENG 354	3
SPA 309	3	SPA 310	3
SPA 311	3	SPA 312	3
SPA 321 or 331	3	SPA 350	3
Elective	3	Elective	3
Total	15 hours	Total	15 hours
Senior Year			
Fall Semester		Spring Semester	
SPA 433	3	SPA 434	3
SPA 443	3	SPA 440	3
Electives	9	Electives	9
HPED	1	HPED	1
Total	16 hours	Total	16 hours

Note: summer study abroad credit is given with departmental approval and can substitute for certain courses offered during the regular academic year; in particular, refer to SPA 253-254, SPA 305-306, SP 441 and SPA 442)

Note: The 300 and 400 level courses are offered under some circumstances in conjunction with Spelman College.

FRENCH (FRE)

(All elementary and intermediate courses must be taken in sequence).

101-102. Elementary French

6 hours

Fundamentals of French grammar, with drills in written and spoken French. Use of language is stressed through practical exercises in guided French conversation. Emphasis is placed on development of proficiency in four fundamental skills — listening, speaking, reading, and writing.

201-202. Intermediate French **6 hours**
Review of principles of French grammar and study of more complicated aspects of the French language, with literary selections in prose and poetry from some of the best known writers of French and Francophone Africa and the West Indies. *Prerequisites: FRE 102 or equivalent for FRE 201 and FRE 201 or equivalent for FRE 202.*

251-252. Intensive Intermediate French **6 hours**
Accelerated second year course designed for honors students and students intending to major or minor in French. Emphasizes selected readings in classic and modern works of literature which will form the basis for discussions and compositions; intensive review of grammar will also be included. *Prerequisite: FRE 102 or equivalent.*

253. Intermediate French/Summer Abroad **3 hours**
Emphasis on conversational and written French at the intermediate level. Extensive use will be made of the daily situations that students encounter living in the host country. FRE 253 will satisfy the FRE 201 General Education requirement. *Prerequisite: FRE 102 Elementary French or equivalent.*

254. Intermediate French/Summer Abroad **3 hours**
Emphasis will be placed on conversational and written French at the intermediate level. Extensive use will be made of daily situations that students encounter living in the host country. FRE 254 will satisfy the FRE 202 General Education requirement and may also satisfy requirements for a major or minor in French. *Prerequisites: FRE 201, 252, or 253 (Intermediate French or equivalent).*

305. Advanced French Grammar and Conversation/Summer Abroad **3 hours**
In-depth study of grammar and intensive training in the idiomatic use of the languages with attention to the linguistic idiosyncrasies of the local area. *Prerequisites: FRE 202, 252, or 254 (Intermediate French or equivalent).*

311-312. General Survey of French Literature **6 hours**
Study of essential works in literature of France from early Middle Ages to present day. *Prerequisite: FRE 201-202 or equivalent. Required for major and minor.*

331. French Conversation **3 hours**
Intensive training in aural comprehension and the idiomatic use of the spoken language through class discussion and presentations on current topics. Introduction and review of advanced grammar and syntactical constructions. *Prerequisite: FRE 202 or equivalent. Required for major and minor.*

332. French Phonetics and Readings **3 hours**
Scientific study of the sounds and pronunciation of the French language using the International Phonetics Alphabet (IPA) as a foundation. *Prerequisite: FRE 201-202 or equivalent.*

341-342. Advanced French Grammar, and Composition **6 hours**
Third year course in French grammar and composition designed to enhance the student's proficiency in the use of spoken and written French and to familiarize him with the most difficult idiomatic and literary expressions of the language. Frequent written and oral exercises include themes, translation (principally from English to French), reports on assigned subjects, and compositions. *Required for major and minor. Prerequisite: FRE 202 or equivalent.*

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350. French for Business **3 hours**

Emphasis will be given to the mastery of the French language through situational practice in a business context. Students will also be introduced to the background of cultural assumptions and values necessary for doing business in France or in other areas where French is the language of commerce, such as Europe, Africa, or the Caribbean. Preparation for the French for Business examination and certificate offered by the Paris Chamber of Commerce and Industry. *Prerequisite: FRE 341.*

411. Early French Literature **3 hours**

Study of the origin of French literature, from courtly romances through lyric poetry, culminating with the examination of the humanistic literature of the French Renaissance. Discussions, oral and written reports, tests, papers. *Prerequisites: FRE 311-312.*

421. Seventeenth Century Literature **3 hours**

Survey of the birth, development, and influence of the major literary movement of the century, le classicisme, as reflected in drama, poetry, and novels of selected writers. Lectures, discussions, oral readings, oral and written reports, tests, and major paper required. *Prerequisites: FRE 311-312.*

430. Age of Enlightenment **3 hours**

Survey of the works of important authors of the "Age of Enlightenment" such as Montesquieu, Voltaire, Diderot, and Rousseau. Lectures, discussions, oral and written reports, tests and papers required. *Prerequisites: FRE 311-312 and FRE 341.*

431. Historical Perspective of Francophone Africa **3 hours**

Introduction to geographical, historical, and cultural facts on French-speaking countries of Black Africa as preparation for a more in-depth study of their literature and culture.

432. Poetry of Negritude **3 hours**

Introduction to poetry of contemporary Francophone Africa and Caribbean Islands.

433. Afro-French Folk Literature **3 hours**

Introduction to oral literary tradition of French-speaking Africa and West Indies through study of folk tales, contes, proverbs, etc.

434. Afro-French Novel **3 hours**

Study of evolution of African and Caribbean novel of French expression from its beginning to present time.

440. Directed Study **3 hours**

Special interest areas for more in-depth study and investigation or intensive audio-lingual practice under the supervision of an instructor. All special study projects must be approved in advance by the supervising instructor in consultation with the department chairperson. This course may be repeated.

441. Directed Study/Summer Abroad

(See listing for SPA 441).

442. Internship-field work/Summer Abroad

(See listing for SPA 442).

443. Nineteenth Century Literature I **3 hours**

Study of the concept and expression of romanticism as reflected in poetry, novels and drama of the major writers of the period. Lectures, discussions, oral readings, oral reports, tests, and a major paper required. *Prerequisites: FRE 311-312 and FRE 341.*

- 444. Nineteenth Century Literature II** **3 hours**
Study of the evolution of the major literary currents during the second half of the century through an analysis of selected literary works of novelists and poets of the period. Lectures, discussions, oral and written reports and a major paper. *Prerequisite: FRE 441.*
- 446. Topics in Francophone Literature: Negritude et Creolite** **3 hours**
This course focuses on the strategies used by the francophone writers of the Caribbean in their search for the truest expression of the totality of their colonial experience. *Required for the major.*
- 447-448. French Civilization and Culture** **6 hours**
Study of French people from their origins to the present time through their geographical, historical, economic, and cultural backgrounds. *447 is required for the major.*
- 451. Twentieth Century French Literature I** **3 hours**
Study of the writers and dominant literary currents from 1900 to the 1950's. Required of majors. Discussion, oral and written reports, tests, papers. *Prerequisite: FRE 311.*
- 452. Twentieth Century French Literature II** **3 hours**
Continuation of FRE 451, covering literary works since the 1950's. Discussion, oral and written reports, tests, papers. *Prerequisite: FRE 311.*
- 491. Methods of Teaching Foreign Languages** **3 hours**
Preparation for teaching of a modern foreign language at the secondary and elementary level. Application of the latest techniques and procedures for teaching languages. Status of language learning and research in contemporary school curriculum. Offered at Spelman College.
- 492. Applied Linguistics** **3 hours**
Analysis of research in linguistics and its applicability to teaching of foreign language. Emphasis will be placed on methods and techniques of identifying and overcoming the interference of English speech habits and patterns in teaching of foreign languages.

GERMAN (GER)

(All elementary and intermediate courses must be taken in sequence).

- 101-102. Elementary German** **6 hours**
Dialogs, vocabulary, and short reading selections, with an emphasis on grammar structure. Pronunciation drill, homework exercises require language laboratory visits. Much culture discussion on the three German-speaking countries: Germany, Austria, Switzerland. Videos on grammar usage.
- 201-202. Intermediate German** **6 hours**
Introduction to German, Austrian, Swiss culture topics, both of popular culture as well as intellectual. Emphasis on listening, speaking, writing and reading in German, with class conducted mainly in German. Conversational exercises. Compositions based on short readings, videos, and materials brought by instructor; grammar review secondary. *Prerequisites: German 102 or equivalent for GER 201 and GER 201 or equivalent for GER 202.*

JAPANESE (JAP)

(All elementary and intermediate courses must be taken in sequence).

101-102. Elementary Japanese **6 hours**

Introduces student to fundamentals of written Japanese characters, syntax, grammar and phonology. Students receive practice in simple sentence building through audiolingual structural patterns and drills.

201-202. Intermediate Japanese **6 hours**

Building on Japanese 101 and 102, introduces students to more intricate grammatical and syntactical forms and to reading Japanese.

SPANISH (SPA)

(All elementary and intermediate courses must be taken in sequence).

101-102. Elementary Spanish **6 hours**

Elements of Spanish grammar, oral and written exercises, pronunciation, conversation, and introduction to the reading of graded Spanish texts.

201-202. Intermediate Spanish **6 hours**

Review of Spanish grammar, exercises in oral and written composition, and study of prose composition. Selected readings of Spanish and Spanish-American authors and introduction to topics on culture and civilization. *Prerequisites: SPA 102 or equivalent for SPA 201; SPA 201 or equivalent for SPA 202*

251-252. Intensive Intermediate Spanish **6 hours**

Accelerated second year course designed for honors students and students intending to major or minor in Spanish. Emphasizes selected readings in classic and modern works of literature which will form the basis for discussions and compositions. An intensive review of grammar will also be included. This course will satisfy the 201-202 General Studies requirement for language. *Prerequisites: SPA 102 or equivalent for 201 and SPA 201 or equivalent for SPA 202.*

253. Intermediate Spanish/Study Abroad **3 hours**

Emphasis conversational and written Spanish at the intermediate level. Extensive use will be made of the daily situations that students encounter living in the host country. SPA 253 will satisfy the SPA 201 General Education requirement. *Prerequisite: SPA 102 or equivalent.*

303-304. General Conversation **6 hours**

Intensive training in aural comprehension and the idiomatic use of the spoken language through class discussions. Preparation and delivery of talks on current events, lectures and discussions. Conducted in Spanish. *Prerequisites: SPA 201-202 or equivalent. Required for the major and minor.*

305. Advanced Spanish Grammar and Conversation/Summer Abroad **3 hours**

In-depth study of grammar and intensive training in the idiomatic use of language with attention to the linguistic idiosyncrasies of the local area. *Prerequisites: SPA 202, 252, or 254. Required for the major.*

306. Advanced Spanish Grammar **3 hours**

Concentrates on the various elements of Spanish grammar for the purpose of preparing students for advanced course work. Exercises will cover examples from selected literary texts. *Prerequisites: SPA 202, 252, or equivalent. Required for the major and minor.*

307. Composition in Spanish

3 hours

Advanced problems in grammar and syntax are studied. Written exercises, free composition, translations, and discussions of selected readings, intensive and extensive reading of modern Spanish texts. Serves as a basis for oral practice and the development of composition technique. *Prerequisites: SPA 202, 252, or equivalent. Required for the major and minor.*

Note: the following courses should be taken in the sequence suggested for the major: 309-310, then 311-312, then other higher level courses.

309-310. General Survey of Spanish American Literature

6 hours

Main trends of Spanish American Literature from the Conquest to the contemporary period through readings, lectures, class discussions, oral and written reports. *Prerequisites: SPA 252, 306, 307 or higher level course. Required for the major.*

311-312. General Survey of Spanish Literature

6 hours

Main trends of Spanish Literature from the Middle Ages to the contemporary period. Lecture, commentaries, class discussions, oral and written reports. *Prerequisites: SPA 252, 306, 307 or higher level course. Required for the major. 311 is required for the minor.*

316. Spanish Phonetics and Pronunciation

3 hours

Scientific study of the phonology and morphophonemics of Spanish for the purpose of helping students improve their own pronunciation, as well as understand both standard and dialectal variations as they occur in the Spanish-speaking world. *Required of majors.*

321. Spanish (Peninsular) Civilization

3 hours

Study of the Spanish people; their geographical, historical, economic, and cultural background. *Prerequisites: SPA 306-307 or higher level course.*

331. Spanish American Civilization

3 hours

The geography, history, institutions, and cultural development of the Spanish-American world. *Prerequisites: SPA 306-307 or higher level course.*

350. Spanish for Business

3 hours

Emphasis will be given to the mastery of the Spanish language through situational practice in a business context. Students will also be introduced to the background of cultural assumptions and values necessary for doing business in Spanish and Latin America. *Prerequisites: SPA 306-307, SPA 309-310, SPA 311-312, or higher level course.*

353. Spanish Literature of the Middle Ages

3 hours

Designed to introduce the student to the Spanish people through their literature of the twelfth, thirteenth, and fourteenth centuries. *Prerequisites: SPA 311-312 or permission from the instructor.*

425. Spanish Literature of the Golden Age

3 hours

Specialized course in Peninsular Spanish Literature, concentrating on the main genres and trends of the Golden Age. Offers an in-depth examination of the poetry, theater and prose of the sixteenth and seventeenth centuries in Spain.

427. Nineteenth Century Spanish Literature

3 hours

Reading and analysis of works representing major writers and literary movements from Romanticism through Naturalism in drama, poetry, the essay and the novel. Includes Larra, Espronceda, El Duque de

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Rives, Zorilla, Becquer, Valera, Galdos and Pardo Bazan. *Prerequisites: SPA 311-312 or permission from instructor.*

430. Twentieth Century Spanish Literature **3 hours**

Major developments in contemporary fiction, essay, poetry, and drama including works by such writers as Unamuno, Antonio Machado, Azorin, Valle-Inclan, Buero Vallejo, Garcia Lorca, Aleixandre, Cela and Goytisolo. *Prerequisites: SPA 311-312 or permission from instructor.*

433. Modern Spanish American Literature **3 hours**

Reading and analysis of works representing major writers and literary movements from Modernism through Surrealism in poetry, the essay, drama and fiction. *Prerequisites: SPA 309-310 or permission from instructor.*

434. Topics in Spanish American Literature **3 hours**

This course will cover each time that it is taught the evolution of a genre or that of the representation of a specific topic throughout Spanish American Literature since 1900 until the present. It can be taken more than once. *Prerequisites: SPA 309-310 or permission from instructor.*

440. Directed Study **3 hours**

Special interest areas for more in-depth study and investigation of intensive audio-lingual practice under the supervision of an instructor. *Prerequisite: All special study projects must be approved in advance by the supervising instructor in consultation with the department chairperson.*

443. Afro-Hispanic Literature **3 hours**

Reading and analysis of works produced by Hispanic writers who focus on the Black presence in Latin America. Includes Juan Francisco Manzano, Nicolas Guillen, Luis Pals Matos, Adalberto Ortiz, Carlos Sanchez, Romulo Gallegos and Francisco Arrivi. *Prerequisites: SPA 309-310 or permission from instructor.*

441. Directed Study/Summer Abroad **3 hours**

Conducted mostly in English by local professors, consists of lecture series and field trips. Topics cover the history, society and politics, religion, art, archeology, economics, and environment of the host country. Participating students are required to write a research paper regarding a particular topic of the series and will be evaluated by the Morehouse faculty directing the program. SPA 441 will not satisfy any part of the General Education Program. However, students may receive credit toward a major or minor in Spanish if the research paper is written in that language. Students may also receive credit from other departments with prior approval before departure.

442. Internship-field work/Summer Abroad **3 hours**

Students are placed in businesses or organizations whose activity deals with a student's major concentration. Students will experience the cultural mores of business practices in foreign countries as well as acquire technical terms and vocabulary in the target language. Participating students are carefully monitored and supervised. Students must write a report on their experience that will be evaluated by one of the faculty directors of the program. Prior approval is required by the department in which the student expects to receive credit for the internship experience.

491. Methods of Teaching Foreign Languages

(Offered at Spelman College). See the description under FRE 491.

492. Applied Linguistics

(See under French listing).

SWAHILI (SWA)

(All elementary and intermediate courses must be taken in sequence).

101-102. Elementary Swahili

6 hours

Fundamentals of Swahili grammar, syntax, and phonology through audiolingual structural patterns and drills. Practice in simple sentence building through regular classroom work and work in the language laboratory.

201-202. Intermediate Swahili

6 hours

Building on Swahili 101-102, more intricate grammatical and syntactical forms and to reading in Swahili.

MUSIC

The Department of Music is committed to providing the most productive educational experiences for its students. The development of artistic talent, humanitarian ideals and sensitivities, academic acumen, and respect for and attainment of the highest professional standards is the principal aim of the Department. Primary focal points of departmental activity include the following elements:

- Preparation of the necessary skills for the student to be successful in a career in performance, teaching, composition, and/or research in music;
- Encouragement of intellectual development, individual creativity, and artistic perspective through exposure to historical and contemporary approaches to music theory and composition, solo and ensemble performance, and the milestones of music history and literature;
- The study and performance of the music of African Americans and the ways in which musical from different cultures interacts and influences one another;
- Promotion of music as essential to the appreciation of the human experience through courses in the core curriculum intended for the general college student if the humanities;
- Assurance that music students are trained to use contemporary technologies to their best advantage in their studies and in their later professional careers.

Students may concentrate in performance (woodwinds, brasswinds, strings, voice, piano, organ), choral conducting and literature, music theory and composition. Music Education is not offered by the Department; however, questions regarding Education courses that can be taken by Morehouse students at Spelman College may be directed to the Morehouse Liaison/Coordinator for Education. Courses are offered to prepare the student for professional or graduate work in music. In addition, courses are offered for the general college student.

DEPARTMENTAL ADMISSION REQUIREMENTS

Students pursuing a concentration in music must (1) be admitted to Morehouse College, (2) successfully complete a performance audition in at least one medium, and (3) take an advisory examination in music theory prior to matriculation in the department. Prospective majors should consult with the music chairperson.

DEGREE REQUIREMENTS FOR MUSIC MAJORS

Required music courses for major concentrations in music are outlined in the Course Sequences for Music Majors. Graduation requirements with a major in music at Morehouse College include the following:

1. Satisfactory completion of the College's core curriculum (53-hours). Successful completion of the 46-hour music "core" plus the additional 6-17 hours required in an area of departmental concentration.
2. Satisfactory completion of requirements in MUS 108-109. Continuing enrollment in 1-hour applied piano sections, MUS 101PN-402PN, may be required in order to complete minimal piano requirements.
3. Satisfaction of the oral communications requirement by completing English 351: Professional Communication; this three-hour course represents a designated elective, coming from the music student's elective hours.
4. Satisfactory participation in at least one of the performing organizations in the Department of Music throughout the student's matriculation.
5. Satisfactory attendance at campus concerts and recitals. Further, a music major or minor must receive the approval of the departmental faculty prior to his involvement in any musical performance.

Students who select music as a minor field of concentration must successfully complete the prescribed courses in music theory, music history and applied music. They should consult the department chair.

DEPARTMENTAL HONORS

Music majors may qualify for departmental honors by satisfying the following criteria:

1. Be eligible for college honors.
2. Maintain at least a 3.20 cumulative grade point average in the Department of Music.
3. Successful completion of a senior honors project approved and directed by the music faculty.

SUGGESTED COURSE SEQUENCE FOR MUSIC MAJORS

(Indicates that the student may choose from a variety of approved courses in the General Core Requirements list that are offered by the respective department.*

In some concentration sequences listed below, placement criteria in music and the general core may result in fewer hours than the number required to graduate. In such cases, the student must choose elective courses in order to complete a minimum of 120 hours required for graduation.

COURSE SEQUENCE FOR MUSIC MAJORS

Concentration in Composition

Freshman Year

Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
HIS 111	3	HIS 112	3
HPED*	1	HPED*	1
MAT 100	3	MAT 140	3
EDU 151	0	EDU 152	0
EDU 153	0	EDU 154	0
MUS 111	3	MUS 100	2
MUS 101	1	MUS 102	1
MUS 108	1	MUS 109	1
MUS 142	0	MUS 143	0
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	15-16 hours	Total	14-15 hours

Sophomore Year

Fall Semester		Spring Semester	
ENG 250	3	ART 110	3
MFL 101	3	MFL 102	3
BIO 101	3	PHY 102	3
BIO 101	0	PHY 102L	0
EDU 251	0	EDU 252	0
MUS 117	2	MUS 118	2
MUS 201	1	MUS 202	1
MUS 242	0	MUS 243	0
MUS 251	3	MUS 252	3
MUS 261	2	MUS 206	3
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	17-18 hours	Total	18-19 hours

Junior Year

Fall Semester		Spring Semester	
MFL 201	3	MFL 202	3
PHI*	3	REL 203	3
EDU 353	0	EDU 354	0
MUS 301	2	MUS 302	2
MUS 305	3	MUS 306	3
MUS 342	0	MUS 343	0
MUS 351	3	MUS 352	3
MUS 353	3	MUS 354	3
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	17-18 hours	Total	17-18 hours

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Senior Year

Fall Semester		Spring Semester	
SOC*	3	PSY*	3
MUS 355	2	MUS 307	2
MUS 401	2	MUS 402	2
MUS 405	3	MUS 406	3
MUS 442	0	MUS 443	1
ENG 351	3	MUS 444	1
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	13-14 hours	Total	12-13 hours

Concentration in Choral Conducting

Freshman Year

Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
HIS 111	3	HIS 112	3
HPED*	1	HPED*	1
MAT 100	3	MAT 140	3
EDU 151	0	EDU 152	0
EDU 153	0	EDU 154	0
MUS 111	3	MUS 100	2
MUS 101	1	MUS 102	1
MUS 108	1	MUS 109	1
MUS 142	0	MUS 143	0
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	5-16 hours	Total	14-15 hours

Sophomore Year

Fall Semester		Spring Semester	
ENG 250	3	ART 110	3 hours
MFL 101	3	MFL 102	3
BIO 101	3	PHY 102	3
BIO 101L	0	PHY 102L	0
EDU 251	0	EDU 252	0
MUS 117	2	MUS 118	2
MUS 201	1	MUS 202	1
MUS 242	0	MUS 243	0
MUS 251	3	MUS 252	3
MUS 261	2	MUS 264	2
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	17-18 hours	Total	17-18 hours

		Junior Year	
Fall Semester		Spring Semester	
MFL 201	3	MFL 202	3
PHI*	3	REL 203	3
EDU 353	0	EDU 354	0
MUS 301	2	MUS 302	2
MUS 273	3	MUS 274	3
MUS 342	0	MUS 343	0
MUS 351	3	MUS 352	3
MUS 353	3	MUS 354	3
MUS 363	2	MUS 364	2
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	19-20 hours	Total	19-20 hours

		Senior Year	
Fall Semester		Spring Semester	
SOC*	3	PSY*	3
MUS 355	2	MUS 307	2
MUS 401	2	MUS 402	2
MUS 405	3	MUS 406	3
MUS 442	0	MUS 443	1
MUS 463	2	MUS 464	2
ENG 351	3	MUS 444	1
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	15-16 hours	Total	14-15 hours

Concentration in Voice Performance

		Freshman Year	
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
HIS 111	3	HIS 112	3
HPED*	1	HPED*	1
MAT 100	3	MAT 140	3
EDU 151	0	EDU 152	0
EDU 153	0	EDU 154	0
MUS 111	3	MUS 100	2
MUS 101VX	1	MUS 102VX	1
MUS 108	1	MUS 109	1
MUS 112	0	MUS 113	0
MUS 142	0	MUS 143	0
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	15-16 hours	Total	14-15 hours

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Sophomore Year

Fall Semester		Spring Semester	
ENG 250	3	ART 110	3
MFL 101	3	MFL 102	3
BIO 101	3	PHY 102	3
BIO 101L	0	PHY 102L	0
EDU 251	0	EDU 252	0
MUS 117	2	MUS 118	2
MUS 201VX	1	MUS 202VX	1
MUS 212	0	MUS 213	0
MUS 242	0	MUS 243	0
MUS 251	3	MUS 252	3
MUS 271	1	MUS 272	1
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	17-18 hours	Total	17-18 hours

Junior Year

Fall Semester		Spring Semester	
MFL 201	3	MFL 202	3
PHI*	3	REL 203	3
EDU 353	0	EDU 354	0
MUS 301VX	2	MUS 302VX	2
MUS 312	0	MUS 313	0
MUS 342	0	MUS 343	0
MUS 351	3	MUS 352	3
MUS 353	3	MUS 354	3
MUS 275	2	MUS 276	2
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	17-18 hours	Total	17-18 hours

Senior Year

Fall Semester		Spring Semester	
SOC*	3	PSY*	3
MUS 355	2	MUS 307	2
MUS 401VX	2	MUS 402VX	2
MUS 261	3	ELECTIVE	3
MUS 412	1	MUS 413	1
MUS 442	0	MUS 443	1
MUS ELECTIVE	2	MUS ELECTIVE	2
ENG 351	3	MUS 444	1
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	15-16 hours	Total	16-17 hours

Concentration in Piano Performance

Freshman Year

Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
HIS 111	3	HIS 112	3
HPED*	1	HPED*	1
MAT 100	3	MAT 140	3
EDU 151	0	EDU 152	0
EDU 153	0	EDU 154	0
MUS 111	3	MUS 100	2
MUS 101PN	1	MUS 102PN	1
MUS 131	0	MUS 132	0
MUS 142	0	MUS 143	0
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	15-16 hours	Total	14-15 hours

Sophomore Year

Fall Semester		Spring Semester	
ENG 250	3	ART 110	3
MFL 101	3	MFL 102	3
BIO 101	3	PHY 102	3
BIO 101L	0	PHY 102L	0
EDU 251	0	EDU 252	0
MUS 117	2	MUS 118	2
MUS 201PN	1	MUS 202PN	1
MUS 231	0	MUS 232	0
MUS 242	0	MUS 243	0
MUS 251	3	MUS 252	3
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	15-16 hours	Total	15-16 hours

Junior Year

Fall Semester		Spring Semester	
MFL 201	3	MFL 202	3 hours
PHI*	3	REL 203	3
EDU 353	0	EDU 354	0
MUS 301PN	2	MUS 302PN	2
MUS 331	0	MUS 332	0
MUS 342	0	MUS 343	0
MUS 351	3	MUS 352	3
MUS 353	3	MUS 354	3
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	14-15 hours	Total	14-15 hours

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Senior Year			
Fall Semester		Spring Semester	
SOC*	3	PSY*	3
MUS 355	2	MUS 307	2
MUS 401PN	2	MUS 402PN	2
ELECTIVE	3	ELECTIVE	3
MUS 431	1	MUS 432	1
MUS 442	0	MUS 443	1
MUS ELECTIVE	2	MUS ELECTIVE	2
ENG 351	3	MUS 444	1
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	16-17 hours	Total	15-16 hours

Concentration in Organ Performance

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
HIS 111	3	HIS 112	3
HPED*	1	HPED*	1
MAT 100	3	MAT 140	3
EDU 151	0	EDU 152	0
EDU 153	0	EDU 154	0
MUS 111	3	MUS 100	2
MUS 101OR	1	MUS 102OR	1
MUS 101PN	1	MUS 102PN	1
MUS 131	0	MUS 132	0
MUS 142	0	MUS 143	0
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	15-16 hours	Total	14-15 hours

Sophomore Year			
Fall Semester		Spring Semester	
ENG 250	3	ART 110	3
MFL 101	3	MFL 102	3
BIO 101	3	PHY 102	3
BIO 101L	0	PHY 102L	0
EDU 251	0	EDU 252	0
MUS 117	2	MUS 118	2
MUS 201OR	1	MUS 202OR	1
MUS 242	0	MUS 243	0
MUS 251	3	MUS 252	3
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	15-16 hours	Total	15-16 hours

Junior Year			
Fall Semester		Spring Semester	
MFL 201	3	MFL 202	3
PHI*	3	REL 203	3
EDU353	0	EDU354	0
MUS 301OR	2	MUS 302OR	2
MUS 342	0	MUS 343	0
MUS 351	3	MUS 352	3
MUS 353	3	MUS 354	3
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	14-15 hours	Total	14-15 hours
Senior Year			
Fall Semester		Spring Semester	
SOC*	3	PSY*	3
MUS 355	2	MUS 307	2
MUS 401OR	2	MUS 402OR	2
MUS 442	0	MUS 443	1
ENG 351	3	MUS 444	1
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	10-11 hours	Total	9-10 hours

Concentration in Wind Instrumental Performance

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
HIS 111	3	HIS 112	3
HPED*	1	HPED*	1
MAT 100	3	MAT 140	3
EDU 151	0	EDU 152	0
EDU 153	0	EDU 154	0
MUS 111	3	MUS 100	2
MUS 101	1	MUS 102	1
MUS 108	1	MUS 109	1
MUS 142	0	MUS 143	0
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	15-16 hours	Total	14-15 hours

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Sophomore Year

Fall Semester		Spring Semester	
ENG 250	3	ART 110	3
MFL 101	3	MFL 102	3
BIO 101	3	PHY 102	3
BIO 101L	0	PHY 102L	0
EDU 251	0	EDU 252	0
MUS 117	2	MUS 118	2
MUS 201	1	MUS 202	1
MUS 242	0	MUS 243	0
MUS 251	3	MUS 252	3
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	15-16 hours	Total	15-16 hours

Junior Year

Fall Semester		Spring Semester	
MFL 201	3	MFL 202	3
PHI*	3	REL 203	3
EDU 353	0	EDU 354	0
MUS 301	2	MUS 302	2
MUS 342	0	MUS 343	0
MUS 351	3	MUS 352	3
MUS 353	3	MUS 354	3
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	14-15 hours	Total	14-15 hours

Senior Year

Fall Semester		Spring Semester	
SOC*	3	PSY*	3
MUS 355	2	MUS 307	2
MUS 401	2	MUS 402	2
MUS 442	0	MUS 443	1
ENG 351	3		
ENSEMBLE	0-1	ENSEMBLE	0-1
Total	10-11 hours	Total	9-10 hours

Concentration in String Performance

Freshman Year

Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
HIS 111	3	HIS 112	3
HPED*	1	HPED*	1
MAT 100	3	MAT 140	3
EDU 151	0	EDU 152	0
EDU 153	0	EDU 154	0
MUS 111	3	MUS 100	2
MUS 101	1	MUS 102	1
MUS 108	1	MUS 109	1
MUS 142	0	MUS 143	0
ENSEMBLE	1	ENSEMBLE	1
Total	16 hours	Total	15 hours

Sophomore Year

Fall Semester		Spring Semester	
ENG 251	3	ART 110	3
MFL 101	3	MFL 102	3
BIO 101	3	PHY 102	3
BIO 101L	0	PHY 102L	0
EDU 251	0	EDU 252	0
MUS 117	2	MUS 118	2
MUS 201	1	MUS 202	1
MUS 242	0	MUS 243	0
MUS 251	3	MUS 252	3
ENSEMBLE	1	ENSEMBLE	1
Total	16 hours	Total	16 hours

Junior Year

Fall Semester		Spring Semester	
MFL 201	3	MFL 202	3
PHI*	3	REL 203	3
EDU 353	0	EDU 354	0
MUS 301	2	MUS 302	2
MUS 342	0	MUS 343	0
MUS 351	3	MUS 352	3
MUS 353	3	MUS 354	3
ENSEMBLE	1	ENSEMBLE	1
Total	15 hours	Total	15 hours

Senior Year

Fall Semester		Spring Semester	
SOC*	3	PSY*	3
MUS 307	2	MUS 355	2
MUS 401	2	MUS 402	2
MUS 442	0	MUS 443	1
ENG 351	3	MUS 444	1
ENSEMBLE	1	ENSEMBLE	1
Total	11 hours	Total	10 hours

NOTE: Each major department offers a number of courses that may satisfy the general core requirements other than the core courses suggested in music concentrations above. Consult with your departmental adviser before making an alternative selection.

MUSIC (MUS)

MUS 100. Music Fundamentals

2 hours

This course is designed for music majors as an introduction to basic music fundamentals and for non-majors who wish to acquire a general knowledge of the subject matter. The acquisition of basic skills in music theory is stressed with emphasis on the identification and writing of basic elements such as intervals, scales, and chords. The student may exempt this course by successfully completing an advisory examination in music theory.

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MUS 101-102. Applied Music **2 hours**

Private studio lessons. *Prerequisite: Successful audition in the area of applied music.*

MUS 108-109. Class Piano **2 hours**

This course is designed for music majors who need to develop keyboard proficiency and non-majors who wish to acquire keyboard skills. Intended for students having little or no previous training in piano. If necessary, the student continues his study with MUS 101, Applied Piano, until he successfully passes a departmental piano proficiency examination.

MUS 110. Voice Class **1 hour**

This course is designed for the beginning singer. The student will study proper usage of his voice and body. He will study simple songs in English, Italian, etc.

MUS 111. Masterpieces of Music and Music Literature **3 hours**

This course, designed for the general college student, is an introduction to music primarily through musical compositions. It satisfies the music requirement in the general studies curriculum. Emphasis is placed on the development of musical styles within each historical period, from antiquity to the present.

MUS 112-113. Voice Seminar **0 hours**

This is a performance seminar required of all students of applied voice and designed to assist the student in developing performance skills which include score preparation, stage presence, interpretation through language and communication skills, diction and projection as well as other needed performance capabilities. The most important component of this class is the laboratory performance environment and critical evaluation. At the end of the semester each non-major is required to perform in studio class recital. Majors are required to complete a performance jury. Senior voice performance majors may elect to register for Seminar 412 and 413 for one (1) credit hour each.

MUS 114. African American Music: Composers and Performers in the Concert World **3 hours**

This course is designed for the general college student as an introduction to music through that of African American composers of classical music and artists in the concert world. It satisfies the music requirement in the general studies curriculum. The course emphasizes various styles of music performed and composed by African Americans. It deals with the development of musical styles and the role of African Americans in the concert world throughout history.

MUS 116. The Oral Tradition in African American Folk Music **3 hours**

This course, designed for the general college student, is an introduction to the elements of music as a basis for understanding a more in-depth study of African American music which belongs to, and/or has been significantly influenced by the practice of oral transmission. It satisfies the music requirement in the general studies curriculum. The focus of this class is on information which has been preserved, enhanced, modified, and in some cases, threatened by transmission in the folk manner among African Americans.

MUS 117-118. Sight Singing and Ear Training **4 hours**

This course endeavors to develop student skills in reading music notation, demonstrated through vocal production. In addition, the student learns to notate sounds played on an instrument or performed by a human voice. Pitch discrimination, rhythmic proficiency, and the ability to recognize basic harmonic progressions are included.

- MUS 131-132. Piano Seminar** **0 hours**
The class consists mainly of student performances and discussions, and it is designed to give the student of applied piano frequent opportunities to perform for and to be evaluated by his peers and the professor in order to prepare him for public performances. This class meets once a week for an hour and it is required of all students enrolled in applied piano 101PN-102PN.
- MUS 142-143. Music Seminar** **0 hours**
This course is designed to further broaden the student's awareness of music and music literature. Topics include elements of musical performance and literature, music research, African American music and its impact, the elements of 20th century composition. The music major must enroll in Music Seminar at the appropriate level during each semester of residency. He is required to enroll in consultation with his advisor for one credit hour at least once during his senior year. During this semester the student completes a required project and presents it to the class.
- MUS 167, 267, 367, 467. Marching Band (offered fall semester)** **1 hour each**
This band is offered for credit during football season only (fall semester).
- MUS 168, 268, 368, 468. Jazz Ensemble.** **1 hour each**
Jazz Band begins immediately after the football season and continues during the second semester.
- MUS 169, 269, 369, 469. Concert Band** **1 hour each**
Concert Band begins immediately after the football season and continues during the second semester.
- MUS 191-192, 291-292, 391-392, 491-492. Atlanta University Centerwide Orchestra** **1 hour each**
- MUS 201-202. Applied Music** **2 hours**
Private studio lessons. *Prerequisite: MUS 102 or equivalent.*
- MUS 203. Introduction to Church Music** **3 hour**
This course fulfills the music core requirement for the general college student. It is an introduction to principal historical and philosophical bases for music in the Christian church including those of the African American church. In addition, exposure to various music genres and to systems of church music administration provides the framework for the course.
- MUS 204. Woodwind Ensemble** **1 hour**
- MUS 206. Introduction to Composition** **3 hours**
This is the first course in the creative composition sequence. Basic concepts and theoretical constructs of composition are introduced to the beginning student. *Prerequisite: MUS 251 or equivalent.*
- MUS 207. Brasswind Ensemble** **1 hour**
- MUS 212-213. Voice Seminar** **0 hours**
This is a performance seminar required of all students of applied voice and designed to assist the student in developing performance skills which include score preparation, stage presence, interpretation through language and communication skills, diction and projection as well as other needed performance capabilities. The most important component of this class is the laboratory performance environment and critical evaluation. At the end of the semester each non-major is required to perform in studio class recital. Majors are required to complete a performance jury. Senior voice performance majors may elect to register for Seminar 412 and 413 for one (1) credit hour each.

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MUS 231-232. Piano Seminar **0 hours**

The class consists mainly of student performances and discussions, and it is designed to give the student of applied piano frequent opportunities to perform for and to be evaluated by his peers and the professor in order to prepare him for public performances. This class meets once a week for an hour and it is required of all students enrolled in applied piano 201PN-202PN.

MUS 240. Elementary Jazz Improvisation **2 hours**

This course introduces the styles of jazz from a performance perspective. Materials covered include scales, chords, chord substitutes, modes, blues, and standard jazz repertoire.

MUS 241. Advanced Jazz Improvisation **2 hours**

This course is designed to further the students' ability to improvise by using exotic scale patterns, symmetrical harmony and intervals, and chord substitutions. *Prerequisite: MUS 240.*

MUS 242-243. Music Seminar **0 hours**

Continuation of MUS 143.

MUS 251-252. Elementary Theory of Music **6 hours**

This course is designed to familiarize the beginning music major with fundamental concepts of music theory. The development of basic analytical skills, aural perception, and an awareness of theoretical tools employed in various musical styles of the "common practice period" is a primary thrust of this course.

MUS 261. Orchestration **2 hours**

This course introduces scoring techniques in instrumental music, particularly that for orchestra. Classification and nomenclature of instruments, pairing techniques, developing familiarity with the performing limitations of instruments are considered. A principal goal is the scoring of a work for instrumental ensemble.

MUS 264. Introduction to Conducting **2 hours**

This is the first course in the conducting sequence for the music major who wishes to concentrate in choral conducting. Basic beat patterns and fundamental techniques of conducting are covered. Various ensemble styles and literature are introduced.

MUS 271-272. Singer's Diction **2 hours**

This course emphasizes the principles governing sung diction in the following languages: English, Italian, Spanish, French, and German. It will also stress the need for students to master this skill, as it is one of the top ten reasons for a successful career.

MUS 273-274. Choral Literature **6 hours**

This course focuses on the major styles of choral history, primarily from the renaissance into the 20th century. The music of African Americans is included in this study.

MUS 275-276. Vocal Literature I and II **4 hours**

This course is designed for the student concentrating in vocal performance. The symbols and the proper usage of the International Phonetic Alphabets for phonetic translations and pronunciations of words in English, Italian, German, and French are introduced. Grammatical structure in the four subject languages will be focused on for the purpose of accurate translations of foreign texts in solo song literature, vocal/orchestral works and opera. History, style analysis, and performance practices will be emphasized. *Prerequisites: MUS 271-272 or equivalent.*

MUS 301-302. Applied Music **4 hours**

Private studio lessons. *Prerequisite: MUS 202 or equivalent.*

MUS 305-306. Composition **6 hours**

This two semester sequence is part of a four semester sequence of composition classes, designed for music majors or those who by evaluation demonstrate significant knowledge of music theory. They are designed to build compositional skills and to encourage individual writing creativity. Both European and African American traditions are explored. *Sequence Prerequisite: MUS 206 or equivalent.*

MUS 307. Form and Analysis **2 hours**

This course is devoted to the principal techniques of formal organization in music. It will include analysis and synthesis of small forms and their combinations to form larger structures of the standard repertoire. *Prerequisite: MUS 352 or equivalent.*

MUS 310. History of Jazz **3 hours**

Designed as a jazz appreciation course, this course fulfills the music requirement in the general studies curriculum. The major style periods, composers, and performers are covered.

MUS 312-313. Voice Seminar **0 hours**

This is a performance seminar required of all students of applied voice and designed to assist the student in developing performance skills which include score preparation, stage presence, interpretation through language and communication skills, diction and projection as well as other needed performance capabilities. The most important component of this class is the laboratory performance environment and critical evaluation. At the end of the semester each non-major is required to perform in studio class recital. Majors are required to complete a performance jury. Senior voice performance majors may elect to register for Seminar 412 and 413 for one (1) credit hour each.

MUS 331-332. Piano Seminar **0 hours**

This class consists mainly of student performances and discussions, and it is designed to give the student of applied piano frequent opportunities to perform for and to be evaluated by his peers and the professor in order to prepare him for public performances. This class meets once a week for an hour and it is required of all students enrolled in applied piano 301PN-302PN.

MUS 342-343. Music Seminar **0 hours**

Continuation of MUS 243.

MUS 351-352. Advanced Theory of Music **6 hours**

The focus of this course is on the study and application of music theory and the analysis of musical compositions. Primary emphasis is given to harmonic practices of various eras in Western European and African American music. Partwriting is a primary means of studying the principles of harmony included in this course. *Prerequisite: MUS 252 or equivalent.*

MUS 353-354. History of Music **6 hours**

This class provides an in-depth survey of Western music from the Middle Ages through the Twentieth century. Emphasis is placed on examining stylistic aspects of each period together with works of major composers.

MUS 355. Contrapuntal Techniques **2 hours**

In this course, students will study polyphonic compositions of 16th-20th century composers. Analysis of selected works and student efforts in the composition of representative examples of contrapuntal techniques are essential.

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MUS 363-364, 463-464. Conducting **8 hours**

Gradually, advanced concepts and continuing exposure to choral literature, conducting principles and practices are presented. This course leads to a public performance of a senior recital of choral music.

MUS 401-402. Applied Music **4 hours**

Private studio lessons. *Prerequisite: MUS 302 or equivalent.*

MUS 404. Survey of African American Music **3 hours**

Successful completion of this course satisfies the general studies requirement in music. It deals with major categories of African American music and proceeds to establish theories of origin and paths of development. Then, it examines the musical practices in the life styles of the people who produced it. Every effort is made to examine distinguishing characteristics of each genre of composed music and of that improvised in contemporary society as well as that from the oral tradition. Some attention is devoted to developing a realistic perspective of African American music in contemporary American society.

MUS 405-405. Composition **6 hours**

These two classes are the upper level courses of a four semester sequence designed for music majors, or those who by evaluation demonstrate significant knowledge of music theory. The course is designed to build compositional skills and to encourage individual writing creativity. Both European and African American traditions are explored. *Sequence Prerequisite: MUS 306 or equivalent.*

MUS 412-413. Voice Seminar **0 - 2 hours**

This is a performance seminar required of all students of applied voice and designed to assist the student in developing performance skills which include score preparation, stage presence, interpretation through language and communication skills, diction and projection as well as other needed performance capabilities. The most important component of this class is the laboratory performance environment and critical evaluation. At the end of the semester each non-major is required to perform in studio class recital. Majors are required to complete a performance jury. Senior voice performance majors may elect to register for Seminar 412 and 413 for one (1) credit hour each.

MUS 431-432. Piano Seminar **0 - 2 hours**

The class consists mainly of student performances and discussions, and it is designed to give the student of applied piano frequent opportunities to perform for and to be evaluated by his peers and the professor in order to prepare him for public performances. Because they would be expected to perform more frequently as they prepare their graduation recitals, seniors concentrating in piano may elect to register for Seminar 431 and 432 for one (1) credit hour each.

MUS 433. Performance Practices **2 hours**

In this course, the student investigates attitudes and practices employed in authentic performance of music from the Baroque era to the twentieth century.

MUS 441. Readings in Music History **1 hour**

This course is designed to equip the student with authentic information regarding treatises, history and performance practices. Much of the work is done as independent study. A term project in introductory musicology is undertaken.

MUS 442-443. Music Seminar **1 hour**

Continuation of MUS 343. The senior music major presents an approved seminar project during a scheduled class meeting. He must enroll for one (1) credit hour during the semester of his presentation.

MUS 444. Senior Recital

1 hour

Senior Recital is an outgrowth of the student's lessons in applied music. A successful public performance is the goal of the course. The senior music major is expected to demonstrate a high level of proficiency in a performance medium.

MUS 451. Introduction to Music Research

2 hours

This course consists of three parts: (1) a survey of bibliographic materials, (2) investigation of problems and methods of historical research, and (3) a writing project devoted to some aspect of music history.

The following ensembles are offered for no credit, but participation is encouraged:

1. Morehouse College Glee Club
2. Morehouse-Spelman Chorus

NEUROSCIENCE

REQUIREMENTS FOR A MINOR IN THE NEUROSCIENCES

Students of any major and any division are encouraged pursue a minor in the neurosciences. To minor in neuroscience students must complete 17 hours consisting of the following courses: BIO 112, BIO 123/ PSY 123, BIO 317, PSY 460 and one elective. In addition, students must take an advanced laboratory course, either BIO 317L or PSY 461. Allowable electives are offered in the biology, psychology, and computer science departments at Morehouse College, as well as at other colleges and universities in Atlanta. A list of allowed electives can be found on the Morehouse College Neuroscience Program web page <http://edtech.morehouse.edu/biology/programs/Neuroscience/>. Elective credit for courses not on that list may be arranged with the permission of the program coordinators, Dr. Melissa Demetrikopoulos in the Department of Biology or Dr. Marge Weber-Levine in the Department of Psychology. Classes required for a major can not be used as electives for the neuroscience minor. Students interested in pursuing a minor in neuroscience are encouraged to take PSY 101 as their social science elective.

Biology 123/Psychology 123. Mind and Brain

3 hours

This course is designed to provide an overview of scientific study of the brain, focusing on topics of broad interest. Material will be presented by the course director as well as several neuroscientists from other institutions who will, as guest lecturers, present material related to their expertise and research. Course topics include: Drugs and the Brain, Mental Health and Emotion, Appetite and Eating, Philosophy of Mind, Memory, Attention and Thought, the Neuroscience of Aging, Artificial Intelligence, and Language and Communication.

PHILOSOPHY AND RELIGION

The two-fold objective of this department is to prepare students for graduate or professional study in the fields of philosophy and religious studies and to enable them to satisfy the College requirements in the general education program. The courses in philosophy and religion seek to provide the student not only with a firm base in these two academic disciplines, but also with a means for self-examination and self-orientation. The work in philosophy aims to develop a critical and analytical approach to all the major areas of human inquiry. The work in religion aims to describe, analyze and evaluate the role of religion in the life of humans since earliest times and how the religious quest continues as a variegated and often tortuous climb toward human growth and fulfillment.

THE MAJOR IN PHILOSOPHY

The objectives of the major in philosophy are:

1. To develop skills of critical and analytical thinking.
2. To develop the skills for constructing and evaluating argumentative essays.
3. To develop a knowledge of major themes, problems and issues in the history of philosophical thought.
4. To develop a familiarity with the theoretical problems of contemporary ethics, theory of knowledge, and metaphysics.

Students who major in philosophy will be required to complete a minimum of 30 semester hours in philosophy, above core requirements, plus six hours of cognate electives to be selected in consultation with a department adviser. ENG 350 (Principles of Speech Communication) will be the speech requirement. Included in the 30 hours must be PHI 202, PHI 310, PHI 311 and PHI 312.

In order to qualify for graduation, every philosophy major must write a substantial research paper either (a) in one of the regular courses in the major or (b) in a directed study course.

The research paper must have at least 20 pages of text (at 250 words per page) and a bibliography of works cited containing at least 10 books and 10 periodical articles. This research can be carried out in the junior or senior year. In case a student wants to write his research paper in a regular course in his major, he must seek the approval of the instructor before the last day of classes of the previous semester. A student who decides to do his research project as a part of the directed study course must obtain the approval of the professor who will teach the course and make the research paper a part of it. This too must be done before the last day of classes of the semester preceding the course.

Every student must fill out a copy of the appropriate departmental form to register for the research paper and submit it to the department chair before the last day of classes of the semester preceding the research project. A research paper that is done as part of the requirements for a regular course should count for at least one third of the grade for the course.

A copy of the final paper should be given to the department chair by the end of the semester in which the project is carried out.

This policy makes the research requirement a part of the 30-hour requirement for a philosophy major.

THE MINOR IN PHILOSOPHY

Satisfactory completion of a minimum of 18 hours above core requirements is necessary for a minor in Philosophy. PHI 202, PHI 310, And PHI 311 are required.

DEPARTMENTAL HONORS

In addition to the departmental requirements listed above, any senior may qualify for departmental honors in philosophy by satisfying the following criteria: (1) qualifying for College honors; (2) at least a 3.50 grade point average in Philosophy; (3) completing a research paper on a topic approved by the Department Chairperson or an adviser appointed by the Chairperson, and in accordance to the Department's regulations.

COURSE SEQUENCE FOR MAJORS IN PHILOSOPHY

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 100	3	MAT 140 or higher	3
MFL 201	3	Freign Language 202	3
HIS 111	3	HIS 112	3
BIO 101	3	PHY 102	3
HPED	1	HPED	1
Crown Forum		Crown Forum	
Total	16 hours	Total	16 hours
Sophomore Year			
Fall Semester		Spring Semester	
ENG 251	3	REL 201	3
Art/Music	3	Art/Music	3
PHI 201	3	Elective	3
Social Science	3	Social Science	3
ENG 265	3	PHI 202	3
Crown Forum		Crown Forum	
Total	15 hours	Total	15 hours
Junior Year			
Fall Semester		Spring Semester	
ENG 350	3	PHI 311	3
PHI 310	3	PHI 303	3
PHI 302	3	Cognate	3
PHI 461	3	PHI 462	3
Elective	3	Elective	3
Crown Forum		Crown Forum	
Total	15 hours	Total	15 hours
Senior Year			
Fall Semester		Spring Semester	
PHI 312	3	PHI 400	3
PHI 315	3	PHI 465	3
Electives	9	Electives	9
Research Paper	0		
Total	15 hours	Total	15 hours

THE MAJOR IN RELIGION

The objectives of the major in religion are (1) to develop an understanding of the world's religions as historical and cultural phenomena through the study of the various religious traditions, including their history, sacred texts, beliefs, rituals and institutions and (2) to develop an understanding of the fundamental role of religion in the life of individuals and of the human race.

Students who major in religion will be required to complete a minimum of 30 hours of religion above the core requirements, plus six (6) hours of cognate electives to be selected in consultation with a departmental adviser. The speech requirement is ENG 350 (Effective College Communication). In these 30 hours, students must include REL 210, REL 211, REL 220-221, REL 300, PHI 410, and REL 400.

In order to qualify for graduation, every religion major must write a substantial research paper either: (a) in one of the regular courses in the major, or (b) in a directed study course.

The research paper must have at least 20 pages of text (at 250 words per page) and a bibliography of works cited containing at least 10 books and 10 periodical articles. This research can be carried out in the junior or senior year. In case a student wants to write his research paper in a regular course in his major, he must seek the approval of the instructor before the last day of classes of the previous semester. A student who decides to do his research project as a part of the directed study course must obtain the approval of the professor who will teach the course and make the research paper a part of it. This too must be done before the last day of classes of the semester preceding the course.

Every student must fill out a copy of the appropriate departmental form to register for the research paper and submit it to the department chair before the last day of classes of the semester preceding the research project. A research paper that is done as part of the requirements for a regular course should count for at least one third of the grade for the course.

A copy of the final paper should be given to the department chair by the end of the semester in which the project is carried out.

This policy makes the research requirement a part of the 30-hour requirement for a religion major.

THE MINOR IN RELIGION

Satisfactory completion of a minimum of 18 hours above core requirements is necessary for a minor in religion. REL 210 or REL 211, and either REL 220-221 or REL 400 must be included.

DEPARTMENTAL HONORS

In addition to the departmental requirements listed above, any senior may qualify for departmental honors in religion by satisfying the following criteria: (1) qualifying for college honors; (2) at least a 3.50 grade-point average in religion; (3) completing a research paper on a topic approved by the department chair or an adviser appointed by the chair, and in accordance with the department's regulations.

COURSE SEQUENCE FOR MAJORS IN RELIGION

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 100	3	MAT 140 or higher	3
MFL 201	3	Foreign Language 202	3
HIS 111	3	HIS 112	3
BIO 101	3	PHY 102	3
HPED	1	HPED	1
Crown Forum		Crown Forum	1
Total	16 hours	Total	16 hours
Sophomore Year			
Fall Semester		Spring Semester	
ENG 251	3	REL Elective	3
Art/Music	3	Art/Music	3
REL 201	3	Elective	3
Social Science	3	Social Science	3
REL 210	3	REL 211	3
Crown Forum		Crown Forum	
Total	15 hours	Total	15 hours
Junior Year			
Fall Semester		Spring Semester	
PHI 201	3	ENG 350	3
REL 220	3	REL 221	3
ENG 265	3	Cognate	3
REL 300	3	REL Elective	3
Elective	3	Elective	3
Crown Forum		Crown Forum	
Total	15 hours	Total	15 hours
Senior Year			
Fall Semester		Spring Semester	
PHI 410	3	REL 310	3
REL 400	3	REL 465	3
Electives	9	Electives	9
Research Paper	0		
Total	15 hours	Total	15 hours

PHILOSOPHY (PHI)

201. Introduction to Philosophy

3 hours

Introduction to the scope and nature of philosophical thinking through discussion of a wide variety of philosophical issues and arguments.

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202. Critical Thinking **3 hours**

Introduction to deductive reasoning and the scientific method. Includes the fundamental types of deductive inference (including traditional syllogisms), fallacies, the art of definition, and the scientific method.

301. Formal Logic **3 hours**

A course dealing with the symbolic representation of argument forms and the assessment of their validity. Sentential logic is treated with and without quantification. The main topic of course is the development of formal proofs. *Prerequisite: PHI 201 or consent of the instructor.*

302. Introduction to Philosophical Ethics **3 hours**

Provides an introduction to philosophical reflection about the nature and function of morality. Readings will include both historical and contemporary materials.

303. Theory of Knowledge **3 hours**

Survey of key philosophical issues related to the nature and foundation of human knowledge. *Prerequisite: PHI 201 or consent of the instructor.*

310. Ancient and Medieval Philosophy **3 hours**

Survey of thinkers and philosophical schools from the Pre-Socratics to Augustine. *Prerequisite: PHI 201 or consent of the instructor.*

311. Modern Philosophy **3 hours**

Survey of major Western thinkers and schools of thought from Boethius to Hume. *Prerequisite: PHI 201 or consent of the instructor.*

312. Nineteenth Century Philosophy **3 hours**

Survey of major thinkers and schools of thought in Western philosophy from Kant to the end of the nineteenth century. *Prerequisite: PHI 201 or consent of the instructor.*

315. Philosophy of Science **3 hours**

Explores fundamental philosophical questions raised by the rise and success of the sciences. Some background in an empirical science is recommended. *Prerequisite: PHI 201 or consent of the instructor.*

316. Aesthetics **3 hours**

Introduction to the philosophical study of art, beauty and the imagination. It centers upon the nature of art and beauty, the significance of human imagination, and the question of truth in art. Analytical Philosophy, Hermeneutics, Existentialism and other schools of thought. *Prerequisite: PHI 201 or consent of the instructor.*

400. Contemporary Philosophy **3 hours**

Covers major Western thinkers and schools of thought in the twentieth century: Phenomenology, Analytical Philosophy, Hermeneutics, Existentialism and other schools of thought. *Prerequisite: PHI 201 or consent of the instructor.*

410. Philosophy of Religion **3 hours**

Examination of philosophical questions involved in religion and religious beliefs. *Prerequisite: PHI 201 or consent of the instructor.*

461. History of Political Thought **3 hours**

Greek and Roman political philosophy. Church and state in the Middle Ages, Machiavelli and the emergence of the modern state. *(Offered by the Political Science Department).*

- 462. Modern Political Theory** **3 hours**
Political philosophy in the Reformation period and the modern world. Locke, Hobbes, Montesquieu, Rousseau, Hegel and Marx are the main thinkers considered. (*Offered by the Political Science Department.*)
- 465. Directed Study** **3 hours**
Designed for students to conduct extensive research in the area of their choice. Taught on an individual basis pre-arranged between student and instructor.
- 475. Topics in Philosophy** **3 hours**
Study of a special topic chosen by the instructor.

RELIGION (REL)

- 201. Introduction to Religion** **3 hours**
Introduction to religion as an academic discipline. Examines methods of studying religion and the perspectives they represent. Covers the religious dimension of human experiences and culture through the study of the basic rites, symbols, myths and beliefs of the major religions of the world. Also addresses the problems of religious meaning and interpretation, the positive and negative interaction of religious convictions and cultural expressions both Western and Eastern, and such problems as the nature of religious language, forms of religious quest, religion and its relation to society and the individual, and the question of ultimate destiny.
- 210. Introduction to the Old Testament** **3 hours**
Survey of the literature of the Old Testament, bringing to bear upon it the fruits of modern historical and archaeological research. *Prerequisite: REL 201 or consent of the instructor.*
- 211. Introduction to the New Testament** **3 hours**
Covers three major areas: (a) an introduction to the history, terminology and procedures of modern biblical criticism inclusive of African American biblical interpretation; (b) an introduction to the social, political and religious environment to which early Christianity and the New Testament arose; and (c) an introduction to the literary, historical and theoretical issues of the New Testament writings as canonical documents. *Prerequisite: REL 201 or consent of the instructor.*
- 220-221. World Religions** **6 hours**
Provides an introduction to the diverse character, experiences, history and dynamics of religious life as found throughout the world, including past and present forms of religious beliefs and behavior. Main topics covered: Primordial Religion, Hinduism, Buddhism, Confucianism, Taoism, Ancient Religions, Judaism, Islam, the African Heritage, African Religions in the Americas. *Prerequisite: REL 201 or consent of the instructor.*
- 230. Understanding the Bible** **3 hours**
Interdisciplinary approach to the study of the Bible. Draws upon historical, literary and theological perspectives in examining the Bible as a potent force in human life, past and present.
- 235. The Eighth Century Prophets** **3 hours**
Examination of the great movement of Hebrew prophecy involving Amos, Hosea, Isaiah and Micah in

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relation to the social, economic and political background of the period. *Prerequisite: REL 201 or consent of the instructor.*

300. Ethics and Religion **3 hours**

Examines the nature of ethics and selected problems. Considers philosophical and theological theories of ethics with emphasis on the Christian ethic. Analyzes contemporary moral issues and dilemmas for the individual and society. Develops the student's capacity to analyze the major factors involved in the task of moral decision-making. Students will go through a variety of experiences to achieve this goal. *Prerequisite: REL 201 or consent of the instructor.*

310. The African American Church **3 hours**

Explores the development of Christianity and related movements among African Americans from the time Africans reached the Americas (primarily as slaves and indentured servants) to the present. Although religious activity among Africans in Central and South America and the Caribbean will be mentioned, the content of the course focuses upon the religious experience of Africans in the United States. *Prerequisite: REL 201 or consent of the instructor.*

320. The Life and Thought of Martin Luther King Jr **3 hours**

Interdisciplinary examination of King's life and thought and the Civil Rights Movement. Insights from religion, philosophy, history and political science are brought to bear on King's philosophy of non-violence.

400. Introduction to Theology **3 hours**

Designed to introduce students to the field of theological studies from a Christian perspective, including, but not exclusively, systematic, biblical, historical and sociological issues. *Prerequisite: REL 201 or consent of the instructor.*

410. Psychology of Religion **3 hours**

Involves an examination of psychological research and theory as it relates to religious experience and behavior. Also deals with religious conduct and mental processes involved in religious experience. The psychological approach to the study of religion is applied in such a way as to acquaint students with growth and development of religious attitudes. *Prerequisite: REL 201 or consent of the instructor.*

465. Directed Study **3 hours**

Designed for students to conduct extensive research in the area of their choice. Taught on an individual basis pre-arranged between student and instructor. *Prerequisite: REL 201 or consent of the instructor.*

475. Topics in Religion **3 hours**

Study of a special topic chosen by the instructor. *Prerequisite: REL 201 or consent of the instructor.*

PHYSICS

The Department of Physics offers a spectrum of courses reflective of both the integral character of physics in the liberal arts curriculum and its essential role in engineering and technology. The courses offered have been designed to:

1. Assist students in satisfying the general education requirement.
2. Support the preparation of students majoring in biology, chemistry, computer science, mathematics, and engineering.
3. Prepare students for graduate study in physics.

Although the department has a multipurpose role in the curriculum of the College, the primary objective is to prepare students for graduate study and ultimately successful careers in physics. The department recognizes and accepts its responsibility to address the under representation of African Americans in science and engineering. Historically, this has been and remains a foremost responsibility in our program.

The department offers programs of study in physics, applied physics and a dual degree engineering program. The majors in physics and applied physics lead to the bachelor of science degree in these disciplines and the dual degree engineering program leads to a bachelor of science degree in an engineering field and a bachelor's degree from Morehouse in a field dependent on the choice made by the student. Although the focus of the physics and the applied physics programs is preparation for graduate study in these fields, these programs provide excellent preparation for engineering.

BACHELOR OF SCIENCE DEGREE IN PHYSICS

The requirement for a major in physics consists of 27 hours of courses in physics, 18 of which are specified, and 21 hours of mathematics. The program of study for a major in physics consists of two components:

1. Core curriculum in Physics – six (6) upper division courses which all physics majors are required to take:
 - PHY 353 Mathematical Physics I
 - PHY 360 Thermodynamics
 - PHY 361 Electromagnetic Theory
 - PHY 362 Classical Mechanics
 - PHY 363 Quantum Mechanics I
 - PHY 451 Advanced Laboratory I
 - Electives
2. Electives – students majoring in Physics must choose any three of the six courses listed:
 - PHY 367 Optics
 - PHY 354 Mathematical Physics II
 - PHY 364 Quantum Mechanics II
 - PHY 452 Advanced Laboratory II
 - PHY 472 Nuclear & Particle Physics
 - PHY 474 Solid State Physics

All students majoring in physics are also required to take Physics 350, Seminar in Physics (0 credit). The following mathematics courses are required: MAT 251-252, 351, 365, 272, and 353.

A 12-hour introductory sequence is offered for students who need preparation prior to beginning the core curriculum:

Introductory Sequence in Physics (12 hours)	
PHY 154	Mechanics
PHY 253	Electricity & Magnetism
PHY 254	Optics & Modern Physics

BACHELOR OF SCIENCE DEGREE IN APPLIED PHYSICS

The applied physics program involves a physics curriculum which complements the engineering major and extends the knowledge base in physics for students who pursue this major. It is a program which gives prominence to the applications of science. All students with majors in an engineering discipline should consider the Applied Physics Program. It is attractive from the perspective of both time and curriculum.

1. Physics – 21 hours

Physics – 12-hour introductory sequence

PHY 154 Mechanics

PHY 253 Electricity & Magnetism

PHY 254 Optics & Modern Physics

Upper Division Courses (9 hours)

Courses depend on engineering major and are complementary to the engineering major.

2. Mathematics – 18 hours

All students majoring in applied physics are required to take the following mathematics courses:

MAT 251 Analysis I

MAT 252 Analysis II

MAT 351 Analysis III

MAT 272 Linear Algebra

MAT 365 Differential Equations

For the Civil Engineering Major:

Thermodynamics or Mathematical Physics I

Classical Mechanics or Vector & Tensor Analysis

Electromagnetic Theory or Quantum Mechanics I

If the student plans to take thermodynamics and/or advanced dynamics at the engineering school, the department recommends that the student not take thermodynamics and/or classical mechanics at Morehouse.

For the Computer or Electrical Engineering Major:

Thermodynamics

Classical Mechanics or Mathematical Physics or Vector & Tensor Analysis

Quantum Mechanics I

For the Mechanical Engineering Major:

Mathematical Physics I or Vector & Tensor Analysis

Electromagnetic Theory or Mathematical Physics II

Quantum Mechanics I

3. Supportive courses - 14 hours

CHE 111 Elementary Inorganic Chemistry
CHE 112 Elementary Inorganic Chemistry
CSC 110 Computer Programming I
BIO 101 Biological Science

4. Engineering - 24 hours

These credit hours include 9 or 12 hours of introductory engineering courses taken at Morehouse.

ENGR 201 Engineering Graphics
ENGR 101 Freshman Engineering Program
ENGR 205 Statics
ENGR 206 Mechanics of Materials, or
ENGR 308 Dynamics

At the engineering school an applied physics major must take 15 or 12 hours of upper division (junior or senior) engineering courses. At least 2 courses (6 hours) must be at the senior level. Additionally, one upper division laboratory course must be completed at the engineering school.

MINOR IN PHYSICS

Although the College does not have a formal requirement for a minor, a number of students find it beneficial to take additional courses beyond the introductory sequence in physics. A minor in physics is available to the student who completes 18 hours of coursework with no grade below C.

The selection of courses beyond the introductory level should be made in consultation with the academic adviser and should take into consideration the student's major, educational goals, and career goals.

DEPARTMENTAL HONORS

A major in physics may be recommended for departmental honors by completing the following requirements: eligibility for college honors, an average of B or above in all required physics courses, the successful completion of a faculty supervised research project; and the presentation of acceptable written and oral reports of the project results to the faculty.

SUGGESTED COURSE SEQUENCE FOR MAJOR IN PHYSICS

	Freshman Year		
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 251	4	MAT 252	4
Foreign Language	3	Foreign Language	3
HIS 111	3	HIS 112	3
PHY 154	4	PHY 253	4
Total	17 hours	Total	17 hours

Sophomore Year			
Fall Semester		Spring Semester	
ENG 250	3 hours	Humanities	3 hours
MAT 272	3	MAT 365	3
PHY 254	4	PHY 360	3
MAT 351	4	CHE 112	4
CHE 111	4	Computer Science	3
Total	18 hours	Total	18 hours
Junior Year			
Fall Semester		Spring Semester	
MAT Elective	3	PHY 350	0
PHY 353	3	PHY Elective	3
PHY 362	3	PHY 361	3
Social Science	3	Social Science	3
PHY 451	3	PHY 363	3
Total	15 hours	Total	12 hours
Senior Year			
Fall Semester		Spring Semester	
Humanities	3	Humanities	3
PHY Elective	3	PHY Elective	3
HPED	1	HPED	1
Communication	3	Biology	4
PHY Elective	3	Humanities	3
Total	13 hours	Total	14 hours

PHYSICS (PHY)

102. Physical Science 3 hours

Survey of the principles and laws of physics. Emphasis is given to the role of experiment in the development of natural science and to the foundation that physics provides technology. Explores the interplay between technology and science and the influence of technology in the world community. The approach is primarily conceptual, and physics is presented as an historical and humanistic development of human intellect.

151. General Physics I 4 hours

Non-calculus based introduction to mechanics, thermodynamics, and sound. Specifically, the topics covered include measurement, vector algebra, kinematics, Newton's laws of motion, energy, momentum and collisions, gravitation, rotational dynamics, statics of solids and fluids, the laws of thermodynamics, vibrations and waves, and sound. *Prerequisite: MAT 154.*

152. General Physics II 4 hours

Second part of the non-calculus based introduction to physics. Covers electricity and magnetism, optics and modern physics. Specifically, the course topics include electric charge, Coulomb's law, the electric field, electric potential, capacitance, Ohm's law, circuit analysis, the magnetic-field, the Biot-Savart law, Ampere's law, Faraday's law, induction, alternating currents, Maxwell's equations, electromagnetic waves, geometrical optics, waves optics (interference and diffraction), special relativity, quantum physics, atomic physics, nuclear physics and particle physics. *Prerequisites: PHY 151 and MAT 154.*

154. Mechanics

4 hours

Introductory, calculus-based course focusing on the field of mechanics. Specifically, the course covers vector algebra, kinematics, dynamics, statics, oscillations, fluids and waves. *Prerequisite: MAT 251 or concurrent enrollment.*

253. Electricity & Magnetism

4 hours

Provides an elementary, calculus-based introduction to the fundamental laws of electricity and magnetism. Begins with the topic of electric charge and builds to a statement of Maxwell's equations in integral form. Topics covered include electric charge, Coulomb's law, the electric field, Gauss's law for electricity, electric potential, capacitance, Ohm's law, circuit analysis, the magnetic field, the Hall effect, Ampere's law, Faraday's law, induction, Gauss' law for magnetism, diamagnetism, paramagnetism, ferromagnetism, electromagnetic oscillations, alternating currents and Maxwell's equations. *Prerequisites: MAT 252 or concurrent enrollment, and a grade of C or higher in PHY 154.*

254. Optics & Modern Physics

4 hours

Completes the introductory calculus based sequence. Begins with Maxwell's equations and electromagnetic waves and ends with particle physics and cosmology. Specifically the topics include electromagnetic waves, geometrical optics, wave optics to include interference and diffraction, special relativity, quantum physics, atomic physics, solids, nuclear physics, particle physics and cosmology. *Prerequisite: PHY 253.*

350. Physics Seminar

0 hours

Addresses the formal communication of research in the physics community. Students are required to present a seminar on a research problem/topic on which they have worked. Problems and topics are approved by the instructor. The instructor provides guidelines for papers and oral presentations.

353. Mathematical Physics I

3 hours

Provides some of the applied mathematics which is essential to the upper division courses in physics. Topics covered include infinite series, Fourier series, Fourier transforms, Laplace transforms, Legendre's equation, Legendre's associated equation, Bessel's equation, Hermite's equation, Laguerre's equation and Laguerre's associated equation. *Prerequisites: MAT 272, 351 and 365, and PHY 254.*

354. Mathematical Physics II

3 hours

Continuation of Physics 354 and is recommended for students who plan to attend graduate school in physics. Covers the Sturm-Liouville problem, the gamma, beta and error functions, partial differential equations, integral equations and complex variables. *Prerequisite: PHY 353.*

360. Thermodynamics

3 hours

Involves primarily a study of the laws of thermodynamics. Includes the kinetic theory of gases and an introduction to statistical mechanics. Addresses temperature and the zeroth law of thermodynamics, thermodynamic equilibrium, diagrams, equations of state, work, heat, the first law of thermodynamics, kinetic theory, engines, refrigerators, the second law of thermodynamics, reversibility, the Kelvin temperature scale, entropy, thermodynamic potentials, Maxwell relations, phase transitions and the partition function. *Prerequisites: PHY 254 and MAT 351.*

361. Electromagnetic Theory

3 hours

Covers the basic laws of electromagnetism and Maxwell's equations at an advanced undergraduate level. Topics include Coulomb's law, Gauss' law for electricity, Poisson's and Laplace's equations, multipole expansions, energy, capacitance, electric circuits, dielectric materials, electric polarization, method of images, the vector potential, Ampere's law, magnetic materials, Faraday's law, Lenz's law, Maxwell's equa-

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tions, plane electromagnetic waves, wave guides, radiation, and special relativity. *Prerequisites: PHY 254 and MAT 351 and 365.*

362. Classical Mechanics **3 hours**
Encompasses a study of the principles and laws of mechanics at an advanced undergraduate level. Central to the course are Lagrangian dynamics, the calculus of variations and Hamilton's principle, the central force problem, accelerated reference frames, and rigid body motion. Other topics include gravitation, motion of a system of particles, oscillations, and the mechanics of continuous media. *Prerequisites: PHY 254 and MAT 365.*

363. Quantum Mechanics **3 hours**
Introduction to the basic concepts, postulates and principles of quantum mechanics. Includes a mathematical introduction (linear algebra, Dirac notation, and Fourier transforms) to the postulates of quantum mechanics, solving the Schrodinger equation for some one-dimensional problems, the harmonic oscillator, the path integral formulation of quantum mechanics and the Heisenberg uncertainty relations. *Prerequisite: Physics 362.*

364. Quantum Mechanics II **3 hours**
Continuation of Quantum Mechanics I. Topics include: systems with N degrees of freedom, identical particles, symmetries, angular momentum, the hydrogen atom, spin, addition of angular momenta, approximation methods (variational method, WKB, perturbation theory) scattering theory, and the Dirac equation. *Prerequisite: PHY 363.*

367. Advanced Optics **3 hours**
A continuation of the topics covered in Physics 254, Optics and Modern Physics. Designed to sharpen the student's knowledge of calculus and an appreciation of the interrelationship between theory and application. Covers the electromagnetic theory of light, wave optics, fiber optics, polarization, Fourier optics, and holography. *Prerequisite: PHY 254.*

369. Vector and Tensor Analysis **3 hours**
Provides an introduction to an area of mathematics that is essential for the study of physics and engineering. Topics include: the scalar and vector products, triple scalar product, triple vector product, differentiation of vectors, gradient of a scalar function, divergence and curl of a vector, curvilinear coordinates, the Riemann integral, the line integral, Stokes' theorem and Gauss' divergence theorem. Covers contravariant and covariant vectors, the scalar product of two vectors, tensors, the line element, geodesics in Riemannian space, Christoffel symbols, covariant differentiation, the curvature tensor and the Riemann Christoffel tensor. *Prerequisite: MAT 351.*

451-452. Advanced Laboratory **6 hours**
Modern instrumentation techniques and methods. Experiments in modern physics. *Prerequisites: Physics 254 for Physics 451 and Physics 451 for Physics 452.*

460. Special Problems in Physics **3 hours**
Designed to add flexibility to the curriculum by allowing the study of special topics in physics which are outside the structured curriculum, but have significance in the discipline. *Prerequisite: Senior physics majors. Others by permission of the instructor.*

473. Nuclear and Particle Physics **3 hours**
Provides an introduction to the study of nuclei and particles. Topics covered in nuclear physics include nuclear properties, nuclear models, the nuclear force, radioactive decay, and nuclear reactions. Topics

from particle physics are particle interaction, symmetries, conservation laws, quarks, gluons and grand unified theories. *Prerequisite: PHY 363.*

474. Solid State Physics **3 hours**

Designed for the advanced student interested in proceeding to graduate school. Provides strong links between solid state phenomena and the basic laws of quantum mechanics, electromagnetism, and thermodynamics. Covers crystal structure, reciprocal lattice, crystal binding, crystal vibrations, thermal properties, free electron Fermi gas, energy bands, semiconductor crystals, optical processes and superconductivity. *Prerequisites: PHY 360, 361, 363.*

ENGINEERING (HEGR)

101. Freshman Engineering Design **3 hours (Lect. 2 hrs., Lab. 3 hrs.)**

Provides an introduction to the engineering profession — the nature of engineering problems and their solutions, the roles of experimentation, the computer and communication skills in engineering practice. Fundamental procedures for tackling new, unsolved, open-ended problems. Essential details of analyzing, synthesizing and implementing design solutions. Importance of team work in engineering practice. Computer laboratory and design studio are key components of this course.

201. Engineering Graphics **3 hours**

Covers the visualization and modeling techniques for product design and development. Specifically, the course covers design methodology, graphics standards, projection theory, freehand sketching and spatial geometry. Includes the fundamentals of computer graphics, with emphasis on AutoCAD applications to drafting and design.

205. Engineering Statics **3 hours**

Elements of statics in two and three dimensions; centroids, analysis of structures and machines, friction, moments of inertia. *Prerequisite: Physics 154; Mechanics, Corequisite: MAT 252-Analysis II*

206. Mechanics of Materials **3 hours (Lect. 3 hr., Lab. 0 hr.)**

Fundamental concepts of stress and strain; stress-strain relationships; application to axially loaded members; torsion of circular bars; bending of beams; normal and shear stresses in beams; beam deflection and combined loading; stability of columns. *Prerequisite: HEGR 205.*

308. Engineering Dynamics **3 hours**

Kinematics and kinetics of particles and systems of particles; kinematics and kinetics of rigid bodies in plane motion; application of work and energy relationships, and impulse momentum principles. *Prerequisite: HEGR 205.*

POLITICAL SCIENCE

MISSION

The department's mission derives from the mission statement of the College. Specifically, the primary goal of the department is to prepare students for successful entry into, and completion of, graduate and professional schools, especially law school. The second goal of the department is to prepare students for entry-level professional employment in public agencies at all levels — international, national, state and local. The department's primary strategic objective is to increase the number of its students who attend and graduate from professional and graduate schools.

DEGREE REQUIREMENTS FOR THE MAJOR

To graduate with a major in Political Science, a student must complete 49 hours distributed as follows with no grade below C:

Core Courses	21 hours
PSC 228 Comparative Politics	3 hours
PSC 251 National Government of the United States	3 hours
PSC 285 Introduction to International Relations	3 hours
PSC 294 Introduction to Political Theory	3 hours
PSC 253 Scope and Methods in Political Science	3 hours
PSC 348 American Constitutional Law	3 hours
PSC 497 Seminar in Political Science	3 hours

Cognate Electives	9 hours
ECO 201 Macro-Economics	3 hours
ECO 202 Micro-Economics	3 hours
ENG 265 Advanced Composition	3 hours

Tracks	9 hours
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Each student is required to choose a track from one of the following areas: American Government and Politics, Comparative Politics, international Relations, Political Philosophy. Each track will consist of nine hours of advanced courses chosen from the list below:

American Government and Politics Track

PSC 350 Race and law
PSC 371 Introduction to Public Management
PSC/UST 372 Urban Management and Policy Analysis
PSC/UST Financial management in Local Government

Comparative Politics Track

PSC 302 Third World Politics
PSC 387 Contemporary African Politics
PSC 392 Latin American Politics
PSC 476 Political Anthropology
PSC 486 Political Ideologies

International Relations Track

PSC 385 Theories of International Relations
PSC 479 Comparative Foreign Policy
PSC 480 Diplomacy
PSC 482 International Ethics
PSC 484 International Law
PSC 487 International Organizations
PSC 488 International Political Economy
PSC 489 Problems of International Politics
PSC 490 Conflict Resolution

Political Philosophy Track

PSC 361 Ethics and Public Policy
PSC 461 History of Political Thought
PSC 482 International Ethics

Free Electives

10 hours

Majors may choose their free electives from any discipline or disciplines. Internships can be used to fulfill this requirement.

DEGREE REQUIREMENT FOR THE MINOR

Students electing to take a minor in Political Science must complete eighteen hours in the discipline with no grade less than C. The following courses constitute the minor:

PSC 228	Comparative Politics	3 hours
PSC 285	Introduction to International Politics	3 hours
PSC 251	National Government of the United States	3 hours
PSC 253	Grammar of Politics (Scope and Methods in Political Science)	3 hours
PSC 284	Introduction to Political Thought	3 hours
	One elective course in Political Science	3 hours

PRE-LAW PROGRAM

The Department of Political Science is responsible for the College's pre-law program. Students who intend to pursue law degrees are encouraged to take the following elective courses:

Bus 225	Legal Environment of Business	3 hours
Phi 202	Critical Thinking	3 hours
Eng 265	Advanced Composition	3 hours

SUGGESTED COURSE SEQUENCE

Freshman Year

Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 154	3	MAT	3
Foreign Language	3	MFL 202	3
HIS 111	3	HIS 112	3
Social Science	3	Social Science	3
HPED	1	HPED	1
Crown Forum		Crown Forum	
Total	16 hours	Total	16 hours

Students should meet the College's Social Science requirement of six hours during their freshman year. Check catalog for specific courses in Psychology, Sociology, and Urban Studies that meet this requirement. Courses in these areas do not count toward hours required for a major in Political Science.

Sophomore Year

Fall Semester		Spring Semester	
PSC 228	3	PSC 294	3
PSC 251	3	ENG 265	3
BIO 101	3	PHY 102	3
Humanities	3	Humanities	3
ENG 251	3	Humanities	3
Crown Forum		Crown Forum	
Total	15 hours	Total	15 hours

Junior Year

Fall Semester		Spring Semester	
ECO 201	3	ECO 202	3
PSC 285	3	Course	3
PSC 348	3	PSC	3
ENG 350/51/52/53/54	3	Humanities	3
PSC 253	3	Course	3
Crown Forum		Crown Forum	
Total	15 hours	Total	15 hours

Senior Year

Fall Semester		Spring Semester	
Track	3	PSC 461	3
PSC 497	3	Track	3
Free Electives	6	Track	3
Course	3	Free Electives	4
Total	15 hours	Total	13 hours

POLITICAL SCIENCE (PSC)

228. Comparative Politics **3 hours**
Methods, political environment, political structures, participation and socialization; public policy processes of selected political systems. *Prerequisites: PSC 251 and PSC 253 or equivalents.*

251. National Government **3 hours**
Study of the ideas, institutions, and processes relevant to the American political system.

- 252. State and Local Government** **3 hours**
State and local institutions, process and state-federal relations.
- 253. Scope and Methods in Political Science** **3 hours**
Political Science as a discipline, sub-fields of political science; approaches and models, logic and epistemology of empirical research methodology. *Prerequisite: PSC 251.*
- 285. International Politics** **3 hours**
Approaches to international politics: idealism and realism, systems and decision making at the national level; foreign policy objectives.
- 294. Introduction to Political Theory** **3 hours**
This course examines some of the main issues and classic works of political theory. It combines consideration of writers such as Plato, Aristotle, Hobbs, Locke and Rousseau with more recent writings by contemporary authors with diverse perspectives.
- 302. Third World Politics** **3 hours**
Characteristics of developing nations, political structures, stability and problems of economic development. *Prerequisite: Consent of instructor.*
- 348. American Constitutional Law** **3 hours**
Judicial processes, federal judicial behavior. Policy making, constitutional cases, and issues. *Prerequisites: PSC 251 and PSC 253 or equivalents.*
- 350. Race and the Law** **3 hours**
Overview of the role of race in the development of American Constitutional Law and examines landmark cases that have been decided by the Supreme court during the last one hundred and ninety four years which illustrate how the Supreme Court has both furthered and frustrated black Americans' quest for equality.
- 361. Ethics and Public Policy** **3 hours**
This course examines the various ethical frameworks that are used to assess public policy, and how they apply to a wide variety of public policy issues such as health care, welfare policy, drug policy, abortion, and affirmative action. *Prerequisite: Philosophy 201 or Religion 201.*
- 371. Introduction to Public Management** **3 hours**
Examines problems and concepts encountered both in the study and practice of public administration. Analyzes the implication of problems and process from the vantage point of blacks generally, and black managers more specifically. *Prerequisite: PSC 251 or equivalent.*
- 372. Urban Management and Policy Analysis** **3 hours**
Examines and analyzes politics and policy making in urban areas; considers the role of bureaucracy in urban political systems; service production and delivery; privatization and economic development. Describes and assesses management functions. Considers the impact of problems and policies on African Americans. *Prerequisite: PSC 252 or equivalent.*
- 385. Theories of International Relations** **3 hours**
The examination of theoretical approaches to the study of international relations and politics; realism, idealism, neorealism, environmental theories, decision-making theories.

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401-402. Internship **6 hours**

Meshes academic training with real-life experience. Provides exposure to entry level positions available to political science majors; enhances the background of students planning to attend graduate or professional school. *Consent of the internship director.*

411. Financial Management in Local Government **3 hours**

The financial functions of local government. Local expenditures and revenue. The budgeting process. Economic concepts of budgeting. Financial administration. *Prerequisite: PSC 371 or PSC/UST 372.*

429. Seminar in Policy and Urban Politics **3 hours**

Examines significant problems of particular interest of African Americans. Seminar format; major research paper required. *Students admitted to seminar only by invitation of the instructor.*

461. History of Political Thought **3 hours**

Examines the works and thought of political philosophers from Plato to Marx.

475. Latin American Politics **3 hours**

Socio-economic characteristics of the emergent nations of Latin America, political structures, processes of political socialization, participation and public policy. *Prerequisite: PSC 285 or equivalent.*

476. Political Anthropology **3 hours**

Ecology and politics. Attributes of power, Kingship-stratification and power, biopsychological factors in politics. Lineage segmentary, age grades, state societies. *Prerequisite: PSC 328 or equivalent.*

477. Contemporary African Politics **3 hours**

Socio-economic characteristics of the emergent nations of Africa, political structures, processes of political socialization, participation and public policy. *Prerequisite: Consent of instructor.*

479. Comparative Foreign Policy **3 hours**

Cross-national examination of foreign policy institutions, structures, processes and orientations of various states – developed and developing. *Prerequisites: PSC 328 and PSC 385 or equivalent.*

480. Diplomacy **3 hours**

Devoted to the study of diplomatic history, the structures, procedures and personnel of diplomatic missions, and the process of interstate negotiations, including bilateral, multilateral, and public diplomacy.

482. International Ethics **3 hours**

This course covers ethical issues in the international area. Topics considered in the course include: whether ethics applies to the international realm at all; whether war can be just; whether others forms of political violence, such as terrorism, are ever justified; humanitarian intervention; and global distributive justice. *Prerequisites: either PHI 201, REL 201 or PSC 294, and consent of instructor.*

484. International Law **3 hours**

Introduction to the study of international law. Examines the use of norms and rules and customs in regulating the behavior of actors in the international system, state and non-state. *Prerequisite: PSC 385 or equivalent.*

486. Policy Ideologies **3 hours**

Nature and functions of ideologies; nationalism; Marxism and socialism; democratic socialism and liberal democracy; the new left and new right. *Prerequisite: PSC 328 or equivalent.*

- 487. International Organizations** **3 hours**
Study of the evolution, institutions, processes and role in conflict resolution, development, human rights and other areas of the United Nations and various regional organizations – the Organization of African Unity, the organization of American States, the League of Arab States, and others. *Prerequisite: PSC 385.*
- 488. International Political Economy** **3 hours**
Study of the interplay between international and political and economic factors, and the ways they impact on global issues such as foreign aid, trade, private investment, technology transfer, debt and development. *Prerequisites: ECO 201 and PSC 385 or equivalent.*
- 489. Problems of International Politics** **3 hours**
Case studies in international politics; the problems of conflict and integration; the world policy process model; developing transnational organization. *Prerequisite: PSC 385 or equivalent.*
- 490. Conflict and Conflict Resolution** **3 hours**
Examination of the causes and sources of both civil and international conflicts, and the various methods that are used to resolve them. *Prerequisite: Consent of instructor.*
- 493. Directed Study** **3 hours**
Provides students and opportunity to conduct advanced research on a topic of interest in political science. *Prerequisites: Senior status and consent of instructor.*
- 497. Seminar in Political Science** **3 hours**
As the capstone course in political science, the seminar will cover selected topics in the various subfields: American government and politics, comparative politics, international relations and political theory. To the fullest extent possible, the course will seek to integrate concepts, theories and issues from the various subfields of political science. Each students will be required to research and write a substantive paper in his area of concentration.
- 498. Proseminar in Political Science** **3 hours**
Problems in thesis design. Overviews of research and methods of sub areas of political science. Students must complete acceptable research design for their senior theses. *Prerequisite: Senior status; PSC 253.*
- 499. Senior Thesis Seminar** **1 hour**
Designed to enable the student to demonstrate his mastery of a problem area within political science by completing an acceptable thesis. Consideration of narrative and quantitative evidence. Student reports on their thesis and class critiques of the reports. Oral defense of theses. *Prerequisite: Completion of PSC 498.*

PSYCHOLOGY

The objectives of the Morehouse College Department of Psychology are to equip students with a critical understanding of the basic theories of behavior; to provide a strong foundation in the fundamental skills necessary for an understanding of the basic principles of research in the behavioral sciences; to prepare students, academically and personally, for advanced graduate and professional training in psychology, business, law, medicine and related fields; to provide the student with an awareness of the African American experience, and other cultural perspectives, as they relate to psychology; to equip students with skills and experiences for understanding and working effectively with the social and psychological problems encountered by African American communities; and to complement the liberal arts education with an increased understanding of psychological factors influencing individuals and groups.

Psychology majors have the option of pursuing either the Bachelor of Arts (B.A.) or the Bachelor of Science (B.S.) degree. During his first two years at the College, the student is involved basically in a general education program. Because of the interdisciplinary nature of psychology and the diversity of career options available to psychology majors, students are encouraged to take courses in the allied areas of the social and biological sciences, as well as the humanities. The Bachelor of Science degree in psychology is an acceptable route for pre-medical and other pre-health professions preparation. The department also provides students with a strong foundation for work in various social services occupations, whether graduates obtain employment or pursue graduate degrees in social work, public health, psychology or other related areas.

The student desiring to major in psychology should declare his major to the department chairperson. Each student will be assigned an adviser within the department and should consult periodically with his adviser when planning course schedules, job or graduate school applications, etc. Students making less than a C in Psychology 101-102 will be discouraged from pursuit of a psychology major. In addition to the 47 hours of required courses for the B.A. and 49 for B.S., individual programs will be tailored to the student's interests with the help of his adviser.

Majors are encouraged to participate in the activities of the Psychology Association and to become involved in research in any of the various areas of psychology.

The department has a chapter of Psi Chi, the national honor society in psychology. Majors are encouraged to strive for academic excellence and apply for membership in Psi Chi in their junior or senior year. Successful applicants must have at least a 3.0 grade-point average in psychology and a 3.00 grade-point average overall.

REQUIREMENTS FOR A MAJOR IN PSYCHOLOGY

The student who wishes to major in psychology must earn a total of 35 required semester hours in courses offered by the psychology department plus three hours of speech. An additional 9 semester hours of cognate electives are required for the B.A. degree and 11 semester hours of required courses and cognate electives for the B.S. degree. The Introduction to Psychology (PSY 101 or equivalent) course serves as a general prerequisite and **MUST** be completed before enrolling in any other psychology course. To earn a B.A. degree with a major in Psychology, a student must complete the following 38 hours of required core courses; PSY 101-102, 201-202, 250, 260, 371/371L-372-372L, 283, 386, 498 and ENG 350 or 351; plus 9 hours of cognate electives within the Department of Psychology. Students seeking a B.S. degree must complete the 38 hours of required core courses listed above plus the following 11 required

hours of cognate electives: PSY 460-461, 341, 341L and 495 or 496. To qualify for the B.S. degree, the student must earn a total of no less than 60 semester hours in science and mathematics subjects, including BIO 111-112; MATH 100, 154 or higher; and at least one semester of CHE 111/111L or PHY 151/151L. Specific courses to meet this requirement should be selected in consultation with the student's departmental adviser. Pre-medical/pre-dental students majoring in Psychology are encouraged to consult periodically with the Office of Health Professions.

To complete a minor in psychology, a student must take PSY 101-102, 201 and nine (9) elective hours in the department.

Students of any major may pursue a minor in neuroscience or public health sciences. To minor in neuroscience students must complete 17 hours consisting of the following courses: BIO 112, BIO 123/PSY 123, BIO 317, PSY 460, and one elective. In addition students must take either BIO 317L or PSY 461. Allowable electives are offered in the biology, psychology, and computer science departments at Morehouse College, as well as on other campuses in Atlanta. A list of allowed electives can be found on the Morehouse College Neuroscience Program web page. Classes required for a major cannot be used as electives for the neuroscience minor. For more information on minoring in public health sciences, see the next section of this catalog.

DEPARTMENTAL HONORS

Department honors are available to graduating seniors who have met the requirements set by the department. Details of the requirements for departmental honors are provided in the department handbook, available in the psychology department office.

SPECIAL HONORS PROGRAM

Students who are interested in pursuing the Ph.D. degree in a research field related to mental health should consider applying to the AUC NIMH-COR (National Institute of Mental Health-Career Opportunities in Research Education and Training) Honors Undergraduate Research Training Program. This is a competitive admissions program which provides students with special courses and research internship opportunities both on and off campus. Qualified students with grade-point averages of 3.0 or better are admitted to the program at the end of their sophomore year. They spend the junior and senior years taking special courses and conducting research, including a summer off-campus research experience. The program pays tuition and fees and provides a yearly stipend plus a small travel allowance. Majors such as biology, sociology, chemistry, physics, psychology, computer science or mathematics, who are interested in mental health related research are eligible for this centerwide program. For additional information on this and other special training programs, the student should consult the department Chairperson and/or his adviser.

Warning: Students who enroll in psychology courses for which they have not met the stated prerequisites are subject to disenrollment by the department regardless of performance or time lapsed.

SUGGESTED COURSE SEQUENCE FOR MAJORS IN PSYCHOLOGY

Psychology Major B.A.

Freshman Year

Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 100	3	MAT 154	3
Foreign Language	3	Foreign Language	3
HIS 111	3	HIS 112	3
PSY 101	3	PSY 102	3
Total	15 hours	Total	15 hours

Sophomore Year

Fall Semester		Spring Semester	
ENG 250	3	Humanities elective	3
Humanities elective	3	Humanities elective	3
PSY 201	3	PSY 260	3
PSY 250	3	PSY 202	3
BIO 101/lab	3	PHY 102/lab	3
Total	15 hours	Total	15 hours

Junior Year

Fall Semester		Spring Semester	
ENG 350 or 351	3	PSY 372/lab	4
PSY 371/lab	4	PSY 386	3
PSY 283	3	Psychology elective	3
Psychology elective	3	Free elective	3
Social Science elective	3	Humanities elective	3
Total	16 hours	Total	16 hours

Senior Year

Fall Semester		Spring Semester	
PSY 498	3	Free electives	13
Psychology elective	3	HPED	1
Free electives	7		
HPED	1		
Total	14 hours	Total	14 hours

Psychology Major B.S.

Freshman Year

Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 100	3	MAT 154	3
Foreign Language	3	Foreign Language	3
HIS 111	3	HIS 112	3
PSY 101	3	PSY 102	3
Total	15 hours	Total	15 hours

Sophomore Year

Fall Semester		Spring Semester	
ENG 250	3 hours	Humanities elective	3 hours
Humanities elective	3	Humanities elective	3
PSY 201	3	PSY 260	3
PSY 250	3	PSY 202	3
BIO 111/lab	4	BIO112/lab	4
Total	16 hours	Total	16 hours

Junior Year

Fall Semester		Spring Semester	
ENG 350 or 351	3	PSY 372/lab	4
PSY 371/lab	4	PSY 386	3
PSY 283	3	Social Science elective	3
CHEM 111or PHY 151	4	Science elective	3
		Humanities elective	3
Total	14 hours	Total	16 hours

Senior Year

Fall Semester		Spring Semester	
PSY 498	3	Free electives	3
PSY 460	3	HPED	1
PSY 461	1	PSY 341/lab	4
Science electives	7	Science elective	3
DHPE	1	PSY 496	3
Total	15 hours	Total	14 hours

Psychology Major B.S. Premedicine/Health Professions

Freshman Year

Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 100	3	MAT 154	3
BIO 111/lab	4	BIO 112/lab	4
HIS 111	3	HIS 112	3
PSY 101	3	PSY 102	3
Total	16 hours	Total	16 hours

Sophomore Year

Fall Semester		Spring Semester	
ENG 250	3	ENG 252	3
Foreign Language	3	Foreign Language	3
PSY 201	3	PSY 260	3
PSY 250	3	PSY 202	3
CHEM 111/lab	4	CHEM 112/lab	4
Total	16 hours	Total	16 hours

Junior Year			
Fall Semester		Spring Semester	
ENG 350 or 351	3	PSY 372/lab	4
PSY 371/lab	4	PSY 386	3
PSY 283	3	CHEM 232	4
CHEM 231	4	Humanities elective	3
Humanities elective	3	Social Science elective	3
Total	17 hours	Total	17 hours
Senior Year			
Fall Semester		Spring Semester	
PSY 498	3 hours	HPED	1
PSY 460	3	PSY 341/lab	4
PSY 461	1	PSY 496	3
HPED	1	PHY 152	4
PHY 151	4	Social Science elective	3
Humanities elective	3		
Total	15 hours	Total	15 hours

PSYCHOLOGY (PSY)

101. Introduction to Psychology as a Social Science **3 hours**

Introduction to the general areas of psychology including such topics as learning, socialization, motivation, personality and development. *This course is a prerequisite to all other psychology courses, unless otherwise specified.*

102. Introduction to Psychology as a Natural Science **3 hours**

Survey of general areas of psychology emphasizing the biological and physiological roots of behavior, including topics such as sensation, perception, behavioral genetics, animal behavior and physiological psychology.

123. Mind and Brain: An Introduction to the Neurosciences **3 hours**

This course is designed to provide a broad overview of the scientific study of the brain, focusing on topics of immediate interest to brain owners. Material will be presented by the course director as well as 2-4 top neuroscientists from the Atlanta area who will, as guest lecturers, present material related to their expertise and research. Course topics include: drugs and the nervous system, mental health, aging and Alzheimer's disease, memory and attention, and social affiliation.

201. Statistics I **3 hours**

Coverage of descriptive statistics which allow the organization, description and characterization of data. Includes scales of measurement, construction and interpretation of graphs and tables, and measures of central tendency and variability. Also covers the normal and binomial distribution, correlation, regression and probability. Concludes with an introduction to inferential statistics.

202. Statistics II **3 hours**

Further study of inferential statistics which allow assumptions about a population based on the results of a sample (subset of the population). Covers the basic principles underlying the logic of hypothesis testing.

Includes a variety of both parametric (e.g. ANOVA) and nonparametric (e.g. Kruskal-Wallis) statistical tests. Time permitting, Bayesian statistical inference will also be introduced. *Prerequisite: Psychology 201.*

204. Educational Psychology **3 hours**

Theories, research, and applications of psychology in the teaching and learning process. Topics include cognitive and social development, theories of learning, learning abilities and challenges, pedagogy, assessment and the roles of cultural factors. Students also gain understanding, knowledge, and tools to apply the principles to their own learning.

240. Introduction to Public Health Sciences **3 hours**

Designed to give students a strong foundation in the administration and practice of public health; to provide an understanding of the technical, social and political parameters surrounding public health research and practice. Includes a lecture series and field trips to local, state and federal agencies and services.

250. Psychology Colloquium **3 hours**

This course will provide the student with a broad overview of the field of psychology, with special emphasis on career opportunities, including preparation for post-baccalaureate employment and/or advanced study in psychology and related areas. Speakers, videos, discussions and assignments will expose the student to a range of topical issues in research and applications in the discipline.

260. African Centered Psychology I **3 hours**

Study of theoretical and empirical psychological literature pertaining to the cultural, social and political realities of African Americans and the distinctions between the African and European perspectives.

283. Theories of Personality **3 hours**

Review of important theories of personality from psychoanalytic to learning theory approaches. Theorists studied include Freud, Jung, Fromm, Rogers, Dollard and Miller, Skinner and others.

287. Developmental Psychology **3 hours**

Survey the field of human development from a life span perspective. Social, emotional, and cognitive development will be emphasized and will include discussions of genetic and environmental factors, parent-child relationships, and racial identity development.

303. Social Psychology **3 hours**

Exploration of influence of groups on the individual, including conformity behavior, obedience, prejudice, attitude formation and change, leadership, and political behavior.

341. Animal Behavior **3 hours**

A synthesis of comparative psychology and ethology, studying the behavior of animals. Begins with an introduction to the role of evolution, genetics and neurophysiology in behavior. Continues with an examination of specific areas in animal behavior, such as migration, sexual behavior, communication, dominance, territoriality, predator-prey relationships and social behavior. Includes an introduction to areas that are closely related to animal behavior, such as sociobiology and behavioral ecology. *Prerequisites: PSY 201 and 371/371L.*

341L. Animal Behavior Laboratory **1 hour**

Laboratory and field research projects using a variety of small animals. Investigating topics such as sexual behavior, territoriality, aggression, grooming and social behavior. Optional for students who have taken PSY 372L. *Required for B.S. majors. Prerequisites: PSY 201, 371/371L.*

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360. African Centered Psychology II **3 hours**

African Centered Psychology II is offered as an advanced level course that builds upon the knowledge, skills and issues raised in African Centered Psychology I. The focus of this advanced course is an in depth analysis of the African world view as it has been interpreted by African people here in America, on the African continent and throughout the diaspora. *Prerequisite: PSY 260.*

369. Relationships Between the Sexes **3 hours**

Study of the psychology of male/female relationships and interactions utilizing small group methods. *Prerequisite: Permission of Instructor.*

371. Research Methods and Design **3 hours**

Lecture dealing with the methodologies used in the acquisition and interpretation of data in psychology. *Prerequisite: PSY 201.*

371L. Research Methods and Design Laboratory **1 hour**

Hands-on experiments/studies will be conducted in selected areas of psychological research.

372. Learning and Memory **3 hours**

Empirical and theoretical examination of the processes of learning and memory. *Prerequisites: PSY 201 and 371/371L.*

372L. Learning and Memory Laboratory **1 hour**

Laboratory and field investigations of human and animal learning and memory. *Prerequisites: PSY 201, 371/371L.*

381. Community Psychology **3 hours**

Examination of interaction between individuals and institutions in the community and the psychologist's role in intervention to maximize psychological functioning in this non-traditional setting.

386. Abnormal Psychology **3 hours**

Study of causation, description, and treatment of psychological maladjustment including neuroses, psychoses, psychosomatic disorders, character disorders, and organic brain dysfunctions as listed in DSM IV.

389-390. Selected Topics in Psychology **3 hours**

This course may be offered each semester, depending upon departmental needs, but the specific topic will vary. Faculty and specific topic will be chosen through departmental discussion. Some topics may be repeated every other year while others may be repeated less frequently, depending on need, student interest, and faculty availability. Possible topics include: Neuropsychology; Psychopharmacology; Behavioral Neuroscience; Qualitative Research; Language Development and Psycholinguistics; Forensic Psychology; and Environmental Psychology. *May be repeated for credit.*

393. Health/Medical Psychology **3 hours**

Familiarizes students with the rapidly expanding area of health psychology and the role of the health psychologist. Understanding will be gained of the impact of psychological factors in health and illness. Examines, from a biopsychosocial and cross-cultural perspective, the prevention, etiology, diagnosis, and treatment of illness; relation of stress and health; coping strategies; interacting with health care systems; as well as health policy formation and implementation.

394. Honors Advanced Research Methodologies **3 hours**

Exploration of the research process from selection of topic to research proposal. *Prerequisite: Participation in the NIMH-COR Program.*

- 395. Honors Applied Computer/Data Analysis** **3 hours**
Practical applications of computers in various research settings. Analysis and interpretation of data.
Prerequisite: Participation in the NIMH-COR Program.
- 397-398. Honors Research and Communications Seminar** **3 hours**
On going in-depth examination of the research process through student presentations and guest speakers.
Prerequisite: Participation in the NIMH-COR Program. May be repeated for credit.
- 400-401. Supervised Fieldwork** **3 hours**
Practical work experience in various community service centers and projects supervised by faculty and agency directors. *May be repeated for credit.*
- 444. Leadership, Creativity and Innovation** **3 hours**
Interdisciplinary course which examines obstacles to creative thinking and leadership practices that facilitate creative collaboration and innovation.
- 450. Public Health Science Seminar and Practicum** **3 hours**
Designed to provide: 1) a forum for discussion and critical analysis of contemporary health service issues; and 2) a practical experience in a health service agency. A major research project is required.
Prerequisite: PSY 240.
- 451. Assessment in Clinical Psychology** **3 hours**
Introduction to the administration and interpretation of basic psychometric instruments, including tests of intelligence, aptitude, and personality. *Prerequisite: Either PSY 283 or 386.*
- 452. Therapeutic Interventions in Clinical Psychology** **3 hours**
Introduction to the basic theoretical orientations, methods and techniques of individual and group therapy as well as other intervention strategies. *Prerequisite: Either PSY 283 or 386. PSY 451 need **not** be taken in order to take PSY 452.*
- 460. Psychobiology** **3 hours**
Examination of the interactions between biological aspects of an organism and its behavior; covers basic neuroanatomy and neural physiology; techniques of psychobiology; sleep and wakefulness; neural regulation of motivation and emotion, learning, memory and higher cortical functions.
- 461. Psychobiology Laboratory** **1 hour**
Designed to familiarize the student with some of the techniques used in the study of psychobiology. The combination of demonstrations and individual projects gives the student an opportunity to work directly with various types of equipment in the investigation of the areas covered in PSY 460. *Optional for B.A. students taking PSY 460.*
- 470. Industrial/Organizational Psychology** **3 hours**
Provides broad exposure to the field of Industrial/Organizational Psychology. Includes methods and procedures used in maximizing the effectiveness of personnel selection and training. Also covers theory and research on organizational and environmental factors that influence behavior and employee satisfaction in the work setting.
- 495-496. Directed Studies** **3 hours**
Special problems, individual research, or field work under faculty supervision. *May be repeated for credit.*

498. Senior Seminar

3 hours

In-depth exploration of relevant areas in psychology, requiring participation and preparation of required material by each student. Course content varies with instructor.

PUBLIC HEALTH SCIENCES

In an effort to broaden the options for students interested in the health sciences, the Public Health Sciences Institute, a component of the biology department, offers a minor in public health.

The overall health of the American population has improved dramatically in this century due to advances in treatment and technology. However, the health of underrepresented minorities differs significantly from the majority population in the nation. African American infants are twice as likely as Caucasian infants to die in the first year of life, despite the decline in infant mortality over the past few years. In 1900, life expectancy at birth was 33 years for an African American person and 47.6 years for a Caucasian person. By 1996, while life expectancy had increased to 70.2 years for African Americans and 76.8 years for Caucasians (National Center for Health Statistics, 1998), a disparity continued to exist. As these health disparities continue, there is a growing need for more quantitative health scientists to address these issues. The minor in public health is intended to help students better understand the health disparities within their own communities in order to better serve others.

The requirements for the public health sciences minor are a nine-credit-hour core curriculum consisting of Introduction to Public Health (Bio 240), Introduction to Epidemiology (Bio 330), and Biostatistics (340) as well as two (2) additional three-hour elective courses (which can be taken at any AUC college) amounting to a total of 15 credit hours. Emphasis is placed on a multi-disciplinary approach to learning. Elective courses will need to be approved by a qualified faculty member in the Department of Biology (currently the chair of the department) and an updated list of elective courses will be generated each semester to ensure breadth and to exercise quality control.

THE COURSES REQUIRED FOR THE MINOR

Core Curriculum

BIO 240. Introduction to Public Health (3 hours)

This course is designed to give students a strong foundation in the administration and practice of public health; to provide an understanding of the technical, social and political parameters surrounding public health research and practice. The course will include a lecture series, field trips to local, state and federal agencies, and a research project.

BIO 330. Introduction to Epidemiology (3 hours)

This course is a study of the distribution and determinants of health-related states and events in populations with a view toward identifying the etiology of diseases. It includes fundamental strategies for epidemiological research, the framework for assessing valid statistical associations and making judgements of causality, measures of diseases frequency and association, detailed discussions of the various types of study designs, analysis and

interpretation of epidemiological data, and methods for the evaluation and control of chance, bias and confounding in assessing the presence of a valid statistical association.
(Electives from any of the AUC schools that have a similar course description may substitute for this course)

BIO 340. Biostatistics (3 hours)

This course is designed for applications of statistics in the biomedical and health sciences. It introduces parametric and non-parametric statistical methodology, including descriptive measures, elementary probability, estimation and hypothesis testing, correlation, regression and single factor analysis of variance. Underlying theory is empirically demonstrated utilizing biomedical applications. Computer-based statistical analysis is used throughout the course.

(Electives from any of the AUC schools that have a similar course description may substitute for this course)

Electives

BIO 450 Public Health Sciences Seminar and Practicum (3)

Science Majors

(MC) BIO 497 or (SP) BIO 314 Environmental Biology (4)

(MBC) PNS 202 or (CAU) AHP 113 Nutrition (3)

(MC) SOC 356 Demography, Ecology and Environment (3)

(CAU) AHP 242 Introduction to Disease (4)

Business Majors

(CAU) AHP 402 Health Care Management (3)

(CAU) AHP 313 Health Care Delivery (3)

(CAU) AHP 437 Health Finance (3)

(CAU) AHP 439 Quality Assurance-Risk Management

Psychology Majors

(MC) PSY 303 Health/Medical Psychology (3)

(MC) PSY 288 Public Policy and Mental Health (3)

(CAU) AHP 431 Introduction to Mental Health (3)

(CAU) HPE 300 Psychological and Mental Health (3)

READING

The reading faculty provides group instruction as well as individual instruction designed to meet the particular needs of the students in the program.

The program offers non-credit and credit courses. The non-credit courses yield a letter grade for the semester's work and three hours of institutional credit not applied toward graduation. The credit courses yield a letter grade and three credit hours which can be applied toward graduation as electives.

All students in the reading program must earn a letter grade of C for each semester's work and score at or above the cut-off on a reading achievement test in order to complete satisfactorily the required work in reading. Two semesters of reading improvement are required for students who place into Reading 098. One of these two semesters may be Advanced College Reading and Study Skills I with three hours credit, depending upon performance in the first semester's work. One semester of reading is required for students who place into Reading 099. The second semester for students in 099 is required only upon recommendation of the staff or at the discretion of the student, at which time he may take an upper level reading course as an elective.

REA 098-099. Fundamental College Reading and Study Skills I and II **6 hours**
Designed to provide systematic developmental reading instruction and personal enrichment which is required of freshman and transfer students who score below the cut-off score on a reading test selected for screening and placement of entering students. (*No credit toward degree requirements.*)

REA 101-102. Advanced College Reading and Study Skills I and II **6 hours**
Designed to provide a wide variety of reading experiences for the student who needs to enhance reading skills and abilities and broaden reading interests. Emphasis on vocabulary, advanced comprehension skills, and flexibility of rate while reading for information or pleasure. Recommended for freshmen who place above the cut-off point for 098-099 as well as for upperclassmen. Electives

The goal of the Reading Program is to help students acquire, reacquire, strengthen, refine, and internalize reading skills needed for academic success in college.

SOCIOLOGY

The principal objective of the Department of Sociology at Morehouse College is to provide an integrated program of instruction in the understanding of human culture and social organization. To achieve this end, courses in the Department of Sociology are designed to inform students in the discipline and to make the social scientific contribution to a liberal education. Sociology seeks to describe how human social behavior is organized and changes. To this end, the professional sociologist seeks to learn how to anticipate and predict patterns of human group interaction. Such information, systematically and objectively derived, provides knowledge bases and orientations from which enlightened, informed social policies and planning can ensue.

The department's core curriculum is structured to orient students interested in sociology and other professional areas. Experience in these courses helps to free the mind from the fetters of traditionalism, fostering critical analysis of the social within a scientific context. Students are strongly encouraged to engage in internships and fieldwork and in undergraduate research. In addition to the major and minor in general sociology, the department offers a minor in criminal justice and a concentration in family and gender sociology. The department has designed its course and programs to stimulate our majors, while at the same time, providing other departments within the College with an appropriate range of social science electives.

The department also fosters careful preparation for successful graduate study and employment, not only in sociology and research, but also in a number of other fields. The careers of the department's graduates are illustrative and include criminal justice, law, social work, environmental planning, policy

analysis, gerontology, medical sociology, clinical counseling, public health, medicine, theology, teaching and educational administration, government service, marketing research, industrial sociology, public relations, the diplomatic service, organizational research, and administration in industry or community service organizations. Students majoring and minoring in sociology are eligible for election to Alpha Kappa Delta International Sociological Honor Society. The department also sponsors a discipline-oriented group, the Morehouse Sociological Association.

The department has a rich history through its students, faculty, and programs. The most renowned alumnus to major in sociology is Dr. Martin Luther King Jr. Professors of note who have served in the department include W.E.B. DuBois, Ira De A. Reid and E. Franklin Frazier.

The Morehouse Research Institute and the Chivers-Grant Institute for Family and Community Studies are self-supporting research and service units of the Department of Sociology. The general mission of the institutes is to conduct basic research and develop and manage projects to serve the needs of underserved populations. The Institutes also serve as a resource for the research and intellectual needs of students, faculty and staff from the Atlanta University Center. Institute staff represent areas such as sociology, psychology, economics, and criminal justice. One feature of the institutes is the recognition of outstanding service to the family as an institution through the Family Service and Pacesetter awards and student research awards.

THE MAJOR IN SOCIOLOGY

Sociology prepares students for graduate and professional study in a variety of disciplines and establishes a foundation for entry into a diversity of professional fields. The major consists of 21 hours of required core courses; nine hours of electives — one course selected from each of the three sequences described below: three hours of the integrative seminar (pro-seminar and seminar) and three hours from either PHI 202 Critical Thinking or ENG 365 Advanced Composition. The oral communication requirement for sociology majors is met by either ENG 352 Communicating in small Groups or ENG 353 Public Speaking. All core courses must be taken at Morehouse. Students who major in sociology must meet the college social science requirement by taking 6 hours in social science courses outside the field of sociology.

REQUIREMENTS FOR THE MAJOR

The major curriculum contains four types of courses organized around the four principal goals of the department and designed to provide breadth and depth of pedagogical experiences.

I. Sociological Foundations

These courses include basic concepts, ideas and empirical generalizations that explain society. They do not assume prior knowledge of sociology.

Required Core (9 hours)

SOC 101	Introduction to Sociology and 3 hours from:
SOC 102	Cultural Anthropology
SOC 103	Social Problems
SOC 156	Men in Society and
SOC 294	Principles of Sociology

Sequence I Electives (3 hours)

- SOC 215 Criminology
- SOC 255 The Family
- SOC 259 Women in Society

II. Tools and Intermediate Applications.

These courses do not assume prior exposure to social research methods or social theory.

Required Core (9 Hours)

- SOC 301 Statistics
- SOC 302 Social Research Methods
- SOC 307 History of Social Thought

Sequence II Electives (3 Hours)

- SOC 322 Social Inequality
- SOC 331 Work in a Changing Society
- SOC 340 Medical Sociology
- SOC 341 The Life Cycle and Aging
- SOC 356 Demography, Ecology and the Environment

III. Advanced Applications.

These courses assume a background in social theory and social research methods and are designed for students with majors or minors in sociology or related social science and humanities disciplines.

Required Core (3 Hours)

- SOC 403 Survey Research and Data Analysis
- or
- SOC 407 Contemporary Sociological Theory

Sequence III Electives (3 Hours)

- SOC 414 Political Sociology
- SOC 416 Law and Society
- SOC 422 Race and Ethnic Relations
- SOC 455 The African American Family

IV. Integrative Course.

The seminar is intended to promote the synthesis of the various elements of the discipline as an approach to inquiry and to life. It is a capstone for the major.

Required Core (3 hours)

- SOC 495 Seminar in Sociology

EXIT EXAM

All sociology majors must complete a senior paper conforming to the guidelines that may be obtained from the department office. This paper is an integral component of the major and is incorporated in the Seminar in Sociology. The senior paper is submitted to the department and is formally presented in the Seminar in Sociology.

All sociology majors must pass the sociology area exam produced by the Educational Testing Service. A score of 70 or above is considered passing. The exam is administered twice a year, with the first being given in the first semester of the senior year.

DEPARTMENTAL HONORS

Students are urged to work toward departmental honors. When a student communicates the desire to be considered for departmental honors, he will be assigned an honors paper adviser. He should consult regularly with the adviser. If he wishes, he may also consult with other members of the faculty concerning the paper. The requirements for participation in departmental honors follow:

1. Cumulative grade point average of 3.0 in sociology with no grade below C.
2. A satisfactory senior honors paper begun in the junior year, and completed no later than the end of the semester preceding graduation.
3. Recommendation of the departmental faculty.

THE MINOR IN SOCIOLOGY

A minor in Sociology consists of 6 hours of required core courses, six (6) hours of designated electives, and 6 hours of free electives, for a total of 16 hours. Students minoring in sociology may satisfy 3 hours of the college social science requirement with SOC 101.

Requirements for the Minor

Required Core (6 hours)

SOC 101 Introduction to Sociology and
SOC 302 Social Research Methods

OR

SOC 307 History of Social Thought

Designated Electives (6 hours)

SOC 102 Cultural Anthropology
SOC 103 Social Problems
SOC 156 Men in Society
SOC 259 Women in Society
SOC 316 Corrections
SOC 331 Work in a Changing society
SOC 416 Law and Society
SOC 422 Race and Ethnic Relations
Free Electives (6 hours)

THE CRIMINAL JUSTICE MINOR

The department offers a minor in criminal justice, which complements a range of career orientations and academic interests. The curriculum for the minor seeks to promote systematic, critical analysis of issues of crime and justice, stressing the theoretical and methodological, along with careful attention to social policy; and includes the core courses typically required for a major in the field. Students are provided a foundation for direct entry into criminal justice related careers, and complementing his major discipline, provided with a solid preparation for graduate and professional study. We also provide students

with a sound basis for civic and community involvement with issues related to crime and criminal justice, particularly as they concern African American.

Criminal Justice Minor with a Major in Sociology

Students majoring in Sociology may pursue a minor in Criminal Justice. These students may meet the elective requirement for Sequence I and Sequence III with SOC 215 Criminology and SOC 416 Law and Society. (See also Criminal Justice, page 86)

Concentration in Family and Gender Sociology

A concentration in Family and Gender Sociology with a major in Sociology consists of SOC 255 The Family, SOC 156 Men in Society, SOC 259 Women in Society, SOC 355 Sexuality and Sexual Expression, and SOC 455 African American Families.

COURSE SEQUENCE FOR MAJORS IN SOCIOLOGY

Students majoring in Sociology are required to consult with their faculty advisers on a regular basis to develop, assess, and adjustment their academic and career plans. This is particularly important for students wishing to concentrate in criminal justice and other future areas the department will offer to consult with their advisers to make sure they are registered for the right electives. Especially in their senior year, majors are encouraged to use free elective hours to pursue independent reading, research, and internship projects, which may or may not be related to their senior paper.

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
		Or	
		ENG 103	
MAT 101	3	MAT 140 or higher	3
MFL 201	3	MFL 202	3
HIS III	3	ins 112	3
SOC 101	3	SOC 100 course	3
HPED	1	HPED	1
Crown Forum		Crown Forum	
Total	16 hours	Total	16 hours
Sophomore Year			
Fall Semester		Spring Semester	
BIO 101	3	PHY 102	3
PHI 200 OR 363	3	Humanities	6
SOC 294	3	SOC 301	3
ENG 250	3		
Social Science	3	Sociology Elective	3
Crown Forum		Crown Forum	
Total	15 hours	Total	15 hours

Junior Year				
Fall Semester			Spring Semester	
SOC 302	3		SOC 403 or 407	3
Sociology Elective (I)	3		Sociology Elective (III)	3
Sociology Elective (II)	3		Social Science	3
ENG 252 or 353	3		Free Elective	3
Free Elective	3		Humanities	3
Crown Forum			Crown Forum	
Total	15 hours		Total	15 hours
Senior Year				
Fall Semester			Spring Semester	
SOC 495	3		Free Electives	15
Humanities	3			
Free Electives	9			
Total	15 hours		Total	15 hours

SOCIOLOGY (SOC)

101. Introduction to Sociology **3 hours**

Introduces the sociological perspective. Focuses on the scientific study of social interaction in global context and major areas of sociology. Elements of sociological analysis based on scientific research, as opposed to “common sense” approaches are emphasized.

202. Cultural Anthropology **3 hours**

Introductory survey of cultural anthropology which examines how anthropology, through its distinctive methods, can clarify our understanding of each other and ourselves. Major themes studied are the impact of culture on human behavior, the interrelationships between different parts of culture, and cultures as adaptive systems. Also addressed are the science of culture, society and social life, ideology and symbolism, and cultural change and diversity, especially how they relate to the African American experience. Offered alternate semesters.

103. Social Problems **3 hours**

Principal scope is based on personal and group problems at the local, national and international levels. Alienation, alcohol and drug abuse, interpersonal violence, political corruption, homelessness, unemployment, racial and ethnic conflict, environmental pollution, refugees, world health, and hunger are among the topics covered.

156. Men in Society **3 hours**

Focuses on the meaning and consequences of being a male, particularly the black male. Topics considered are gender as a social process; differential statuses and roles, socialization for manhood, power and conflict, economics, health education and well being; the sociological context in which we learn how the larger society defines manhood and the barriers and costs for minority men.

215. Criminology

3 hours

Crime is analyzed in terms of the social, cultural and institutional contexts in which it occurs. Examines the epidemiologist of crime, sources of data on crime, international comparisons of crime and criminal justice, theories of causation, social reaction to crime, and criminal justice policy. It includes an overview of the American criminal justice system. Offered alternate semesters.

255. The Family

3 hours

Examines marriage as a social institution and family as social organization. Explores family interaction patterns, the interrelationships between the family and economic and other institutions, cross-cultural comparisons, social psychological and social class influences, and alternative family forms. Offered alternate semesters.

259. Women in Society

3 hours

Examines the statuses & roles of women in the United States and the world. Introduction to the fundamental concepts, theories, and methods in the social sciences for understanding the social, political, and economic consequences of gender. Social structure and consciousness, socialization, power and authority relationships, and change and continuity are among the issues covered.

294. Principles of Sociology

3 hours

Gateway course to the major explores theories, substantive topics, research methods, ethics, policies, and other principles of the discipline. Career planning issues will also be introduced. *Prerequisites: Sociology 101 and one additional 100 level Sociology course.*

300. Contemporary Issues in Sociology

3 hours

Reviews research and writing in an area, which is of current interest in the field. Specific topic (s) to be covered will be announced at the time the course is being offered, given that the topic will vary as an on-demand offering and be dictated by arresting events and changes in our own and world societies. *Prerequisite: Junior standing or permission of the instructor.*

301. Statistics

3 hours

Introduces skills necessary for general statistical literacy and further study in statistical and social science research techniques using the computer. Among the topics covered are methods of measurement; analysis and presentation of data in numerical form; frequency distribution, measures of central tendency and dispersion, correlation and regression, probability and sampling, hypothesis testing, confidence intervals, t-tests and chi square. Using computers in statistics.

302. Social Research Methods

3 hours

Examines the nature and uses of social research and the scientific method as ways of knowing and understanding reality. Topics considered are logical and empirical conditions for warranted inference, problem definition, research design, data collection and analysis; and stresses using computers and information technology in quantitative and qualitative research and critical examination of research studies.

306. Social Psychology

3 hours

Introductory course focusing on the relationship between individual behavior and patterned social relationships. Provides an overview of the interdisciplinary field of social psychology; its key theoretical perspectives, concepts, and methods; the impact of small groups, organizations, and social systems to individual cognition perception, motivation, and behavior; how attitudes, values, and beliefs develop and change; and the implications of social psychological factors for social policy, interpersonal relationships and knowledge of self.

305. Urban and Community Sociology

3 hours

Analyzed are the characteristics and historical background of urbanism, urban regions, and urban communities, along with environmental problems, human relations, personality, institutional functions, and planning. International comparisons are included. Offered alternate semesters

307. History of Social Thought

3 hours

Historical survey of social thought up to 1950. This course examines the ideas and symbols of social life as reflected in the intellectual traditions of sociology and other social sciences. Includes an introduction to the contributors of such early African American sociologists as W. E. B. DuBois, E. Franklin Frazier, and Charles S. Johnson. Also provides a theoretical orientation for the senior paper. Offered alternate semesters. *Prerequisites: SOC 101 or SOC 102 and junior standing, or permission of the instructor.*

316. Corrections

3 hours

Investigates history, philosophy and current practices in punishment and corrections. Examines the roles of official agents, innovative alternatives to incarceration, probation and parole, and the nature and consequences of incarceration. Emphasizes the implications for African Americans, comparative correctional systems and policy options. Offered alternate semesters.

317. The Police and Law Enforcement

3 hours

Concerned with the organization, history, functions and problems in public and private law enforcement agencies in the United States and in cross-national comparisons. Offered alternate semesters.

322. Social Inequality

3 hours

Presents theories and research in social stratification are presented. Emphasizes on class relations and structural sources and manifestations of inequality and its consequences. Offered alternate years.

331. Work in a Changing Society

3 hours

Work and occupations are analyzed historically and culturally, and in consideration of changes in the economy, in the structure of the labor force and in meaning of work. Stresses the implications of a post-industrial, information and service economy, as well as institutional interrelationships, power and relations in business, and reciprocity between business and the community. Offered alternate semesters.

340. Medical Sociology

3 hours

Analyzes medicine as a social institute. Concerned with health and illness, human behavior in illness; epidemiology; social organization of medical care; health and health care of African Americans; social aspects of recruitment, training and practices in health care professions; costs of health care delivery; international comparisons; values and ethical issues. Offered alternate semesters.

341. The Life Cycle and Aging

3 hours

Concerns identity, status, and role through the life cycle; demographic and socio-economic characteristics of age cohorts; race, ethnicity, and gender issues; international comparisons of the life cycle and aging. Considers health and mental health of the elderly, long term care, and alternative living arrangements, and touches on grief, death, and dying. Also emphasizes life styles and family relationships through the life course.

355. Sexuality and Sexual Expression

3 hours

Examines human sexuality from the sociological perspective. Emphasizes research and clinical observations demonstrating need for accurate and dispassionate sex information. Also investigates the social climate in which we express sexuality inside and outside the family and familial configurations.

356. Demography, Ecology and the Environment **3 hours**

Focus on theories and methods of demography and ecology. Concerned with the distribution, composition, and growth of populations. Fertility and mortality, migration, ecological relationships, and environmental resources and policies are also covered. Offered alternate semesters.

403. Survey Research and Data Analysis **3 hours**

Provides a basic introduction to the principles of survey research, quantitative and qualitative analysis and the research process and rules of inference. Offered alternate semesters. *Prerequisite: SOC 301 or 302 or equivalent statistics or methods course from another department and permission of the instructor.*

407. Contemporary Sociological Theory **3 hours**

Examines the intellectual traditions of sociology from the mid-twentieth century to the present. Surveys the major theoretical perspectives as they speak to problems of structure in historical, biographical, and intellectual context. Includes the contributions of African and African American sociologists and examines the relation between theory and research in social scientific explanation. Offered alternate semesters. *Prerequisites: Junior standing and SOC 307, or permission of the instructor.*

414. Political Sociology **3 hours**

Concerned with the sociology of power distribution. Analyzes sources of influence, power, and legitimacy and includes comparative analysis of authority structures. Offered alternate years.

415. Juvenile Delinquency **3 hours**

Analyzes causes, trends, prevention, designation and treatment of delinquency in United States and in comparison with other cultures. Considers in depth juvenile intake, legal and social investigations, judicial and administrative decision-making, and dispositions; inquires into juvenile institutions, their uses, capabilities, and programs; and explores creative and changing juvenile justice policies. Also stresses implications for African American youth. Offered alternate semesters.

416. Law and Society **3 hours**

Analyzes law as a social institution in the United States and in global perspective, with special attention to criminal law. Reviews the functions, origin and development of law; legal systems and legal culture; justice and legal issues for African Americans; and current problems and issues in law are examined. Offered alternate semesters.

422. Race and Ethnic Relations **3 hours**

Survey of racial and ethnic characteristics of the people of the United States, with special attention to ethnic groups of color. Considers the nature, sources and areas of intra and inter-group conflict, incorporating a global perspective as well as programs, policies and possibilities of resolving conflict and developing progressive relations. Offered alternate semesters.

455. African American Families **3 hours**

Provides a systematic and comparative sociological analysis of black family structures, stresses, strengths and changes; male-female relationships, reproduction, child rearing, economic, educational and emotional dynamics as influenced by minority status. Also recognizes strengths of black families. Ideally this course should follow SOC 255, a general course on the family as a social institution. Offered alternate semesters.

492 and 493. Criminal Justice Internship **6 hours**

Through individually appropriate field experiences students are given the opportunity to apply knowledge,

theory, and understanding gained in course work to professional situations and settings. *Prerequisites: 6 hours in criminal justice and permission of the instructor.*

495. Seminar in Sociology **3 hours**
Seminar in Sociology is an integrative course, designed to promote the synthesis of diverse elements of the major curriculum into a coherent and mature conception of sociology. To accomplish this goal, the course utilizes an integrative approach: lectures, projects, reports and discussion on selected areas of sociological interest and research are to be developed by the instructors and students.

496. Directed Studies **Variable: 1-4 hours**
Supervised opportunities to pursue projects of special interest within the discipline and/or to extend knowledge of particular areas through independent study. Student allowed to propose and submit project of own design to appropriate faculty and Department Head for approval. May be taken for credit more than once.

497. Departmental Honors **3 hours**
See statement above under department honors. Register with the department head who will assign a faculty mentor.

496 and 499. Internship/Fieldwork in Sociology **6 hours**
Work performance, supervised community contact, interaction, placement, observation, and reporting. Approval of department head and supervision by an on-site monitor, the chair or a designated faculty member required.

TELECOMMUNICATIONS

CORE COURSES IN THE TELECOMMUNICATIONS MINOR

CSC 111. Introduction to Telecommunications
Provides a board overview of the history of the information society and current society and the current technological and social trends. Topics focus on consumer issues technological advancements, and the impact of communications systems on society.

CSC 112. Telecommunications Technology
General principles and techniques of point-to-point telecommunications. Includes a brief history of the field and a general introduction to the technology of voice, data, and image transmissions. Course includes a laboratory component.

CSC 312L. Telecommunications Laboratory
Provides hands on experience with the technology and equipment supporting the telecommunications industry through interactive modular laboratory activities.

CSC 303. Telecommunications Seminar
Specialised topics taught by faculty, visiting professor, or industry experts. Topics will focus on new and emerging issues in telecommunications.

CSC 308. Telecommunications Management
Provides a manager's perspective of telecommunications. Topics emphasize financial analysis and admin-

istrative issues such as staffing, organizing, planning, controlling and negotiating contracts; coordinating system conversion procedures; and organizational management.

CSC 340. Telecommunications Internship

Designed to provide (a) hands on experience with installing, designing, configuring, maintaining or otherwise managing communications systems (b) management processes/leadership training and (c) professional communication skills. Student must have a faculty sponsor and prepare a written proposal that includes course objectives and measurable evaluation criteria and receive approval from both the faculty sponsor and the telecommunications coordinator before registering for this course. Internships must be with a company, agency, or organization approved by the Advisory Committee.

URBAN STUDIES

MISSION

The goals of the program are: (1) to prepare graduates for entry-level professional positions as planners, managers, and program research specialists in government, business, and not-for profit organizations; and (2) to prepare interested student for acceptance and competent performance in graduate and professional schools. Students completing the curriculum should be able to go directly into graduate programs in planning, management, and policy analysis without having to take qualifying courses. The program is multidisciplinary in nature, and draws together skills and approaches of the various social sciences departments and other disciplines in order to help students understand urban phenomena in its local, national, and global manifestations.

The major sequence in Urban Studies is made up of the core curriculum, designed to introduce students to the field and prepare them for advanced work, and two concentrations, Urban Planning and Urban Management, designed to provide students with knowledge and competencies specific to each concentration.

DEGREE REQUIREMENTS FOR THE MAJOR

All majors must complete the following core curriculum:

UST 261-262	Introduction to Urban Studies	6 hours
PSC 251	National Government of the United States	3 hours
PSC 252	State and Local Politics	3 hours
SOC 301	Social Statistics	3 hours
SOC 305	Urban and Community Sociology	3 hours
UST 361	Introduction to Urban Planning	3 hours
UST 372	Urban Management and Policy Analysis	3 hours
UST 401-402	Internship	6 hours
ECO 404	Urban Economics	3 hours
UST 490	Senior Seminar in Urban Planning	3 hours
		36 hours total

For the concentration in planning, students must complete the following courses: ECO 305; UST 362; UST 363; UST 413; and UST 420 (15 hours).

Students choosing the management concentration must take BUS 211; PSC 371; ECO 406; UST 411; and UST 413 (15 hours).

All majors must select ECO 201-201 to fulfill the six-hour social science requirement.

Urban studies majors are strongly urged to supplement their concentrations with six (6) hours of cognate electives.

All students must complete ENG 350, ENG 351, ENG 352, or ENG 354 in order to meet the College's communication skills requirement.

Students must earn a grade of C or better in all courses submitted to fulfill the Urban Studies major.

REQUIREMENTS FOR THE URBAN STUDIES MINOR

Students choosing to minor in urban studies must complete each of the courses indicated below with a grade of C or better:

UST 261	Introduction to Urban Studies (Part 1)	3 hours
UST 262	Introduction to Urban Studies (Part II)	3 hours
UST 361	Introduction to Urban Planning	3 hours
UST 372	Urban Management and Policy Analysis	3 hours
UST 420	Transportation Planning	3 hours
UST 490	Senior Seminar in Urban Planning and Management	3 hours

HONORS

Students must meet the College's requirement for honors, and attain a B average in urban studies with no grade less than a C.

SUGGESTED COURSE SEQUENCE FOR MAJOR

Planning Concentration

Freshman Year			
Fall Semester		Spring Semester	
ENG 101	3 hours	ENG 102	3 hours
MAT 100	3	MAT 40 or higher	3
MFL	3	MFL	3
HIS 111	3	HIS 112	3
BIO 101	3	PHY 102	3
HPED	1	HPED	1
Crown Forum		Crown Forum	
Total	16 hours	Total	16 hours

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Sophomore Year

Fall Semester		Spring Semester	
UST 261	3	UST 262	3
ECO 201	3	ECO 202	3
ENG 251	3	Art/Music	3
PSC 251	3	PSC 252	3
PHI/REL	3	SOC 301	3
Crown Forum		Crown Forum	
Total	15 hours	Total	15 hours

Junior Year

Fall Semester		Spring Semester	
ENG 350	3	SOC 305	3
HUM	3	UST 362	3
UST 361	3	UST 364	3
ECO 305	3	Cognate Elective	3
Cognate Elective	3	UST 372	3
Crown Forum		Crown Forum	
Total	15 hours	Total	15 hours

Senior Year

Fall Semester		Spring Semester	
UST 401	3	UST 402	3
UST 413	3	UST 420	3
UST 490	3	Free Elective	3
Free Elective	3	Free Elective	3
Total	12 hours	Total	12 hours

Management Concentration

Freshman Year

Fall Semester	Spring Semester
Same as Planning Concentration	Same as Planning Concentration

Sophomore Year

Fall Semester		Spring Semester	
BUS 211	3 hours	Art/Music	3
ECO 201	3	ECO 201	3
UST 361	3	PSC 252	3
PSC 251	3	SOC 301	3
ENG 251	3	ENG 350	3
Crown Forum		Crown Forum	
Total	15 hours	Total	15 hours

Junior Year			
Fall Semester		Spring Semester	
PHI/REL	3	SOC 305	3
UST 361	3	PSC 371	3
ECO 305	3	ECO 406	3
Cognate Elective	3	UST 372	3
ECO 404	3	Humanities	3
Crown Forum		Crown Forum	
Total	15 hours	Total	15 hours
Senior Year			
Fall Semester		Spring Semester	
UST 401	3	UST 402	3
UST 411	3	UST 413	3
Cognate Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Total	15 hours	Total	15 hours

URBAN STUDIES (UST)

Courses in other departments which are part of the urban studies major are included with the course descriptions of the respective departments (e.g., sociology, economics and business administration).

261. Introduction to Urban Studies **3 hours**

Introduction to the historical development and ecological processes of urban-industrial society from the pre-industrial city to the present from a multidisciplinary perspective; examines the sociocultural, economic, and political nature of urban society.

262. Introduction to Urban Studies **3 hours**

A problems approach to urban society in the 20th century. Examines some possible social, economic, physical, and government policies, and alternatives that could result in an improved urban society.

361. Introduction to Urban Planning **3 hours**

Surveys the history of the field; planning theory and planning methods.

362. Techniques of Urban Planning **3 hours**

Methods and techniques for carrying out descriptive studies of current or anticipated urban conditions. Data collection analysis and presentation techniques. Methods and models for predicting future conditions, requirements and problems. Steps for developing a planning document. *Prerequisite: UST 361.*

364. Urban Planning Workshop **3 hours**

A hypothetical or real-life problem is assigned for which a planning study is carried out and a professional document is prepared. Reviews and refines the content of UST 361 and UST 362. *Prerequisite: UST 362.*

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372. Urban Management and Policy Analysis

3 hours

Examines problems and policy making in urban areas; the role of bureaucracy in urban political systems; service production and delivery; privatization and economic development. management functions (e.g., budgeting). *Prerequisite PSC 252 or PSC 371.*

401-402. Internship

6 hours

Meshes academic training with real-life experiences. Provides opportunity for students to serve in entry-level positions in planning and management; enhances the background of students headed for graduate and professional schools. *Prerequisite: Permission of the instructor.*

411. Financial Management in Local Government

3 hours

Analyzes the financial functions of local government; expenditures, revenues, and the executive budgetary process. Financial administration and intergovernmental fiscal relations. *Prerequisite: UST 371 or 372.*

413. Housing and Community Development

3 hours

Analyzes the role of housing and urban renewal in the planning process and community development in the United States. Discusses housing segregation and black employment; the suburbanization of jobs, and the consequent impact of these forces on the revitalization policy of central cities. *Prerequisite: Junior status.*

420. Transportation Planning

3 hours

Historical development of urban transportation planning in the United States; contemporary political and administrative frameworks. Transportation planning and comprehensive planning. Transportation policy. Characteristics and functions of various modes of urban transportation. *Prerequisite: Junior status.*

490. Senior Seminar in Urban Management and Planning

3 hours

Significant topics in management and planning of urban systems. Term research paper required of each student which reflects substantial knowledge of public management and planning. Requires the student to conceive, design, and follow through on a research project. *Prerequisite: Senior Status.*

OTHER ACADEMIC PROGRAMS

THE ANDREW YOUNG CENTER FOR INTERNATIONAL AFFAIRS

The Andrew Young Center for International Affairs was established at Morehouse College in 1993 as the Center for International Studies. The Center has as its mission the globalization of the College's academic programs, curricula and activities and the preparation of students for service in the world community. Responsibilities at the center include oversight for the International Studies Program, Study Abroad and International Exchange Programs and International Infrastructure Assistance Programs.

STUDY ABROAD AND INTERNATIONAL EXCHANGE PROGRAMS

The Study Abroad and International Exchange Programs coordinate some 200 study abroad programs available to Morehouse students in all academic disciplines. Annually, a total of some 50 Morehouse students participate in study abroad programs in various parts of the world. This program also oversees, with the Department of Modern Foreign Languages, the administration of the College's own study abroad programs in Mexico and Martinique.

EMMA AND JOE ADAMS PUBLIC SERVICE INSTITUTE

The Emma and Joe Adams Public Service Institute (EJAPSI) is a clearinghouse for service activities that help meet the articulated needs of the community. Since its establishment in 1993 as the Morehouse College Office of Community Service, the EJAPSI has sought to facilitate service opportunities for students, faculty and staff to engage in forms of community outreach that uplift, empower, effect positive social change and support community redevelopment.

Morehouse College students are strongly encouraged to embrace the idea that service to others is essential to their personal development. With this in mind, the EJAPSI administers programs that provide students with the knowledge and skills to work with community partners and organizations, impact public policy, and effectively advocate on behalf of our youth. To meet these objectives, the EJAPSI manages the following six major programs, two of which provide scholarship opportunities for students who have demonstrated a strong commitment to service:

- Adams Scholarship Program
- Bonner Scholarship Program
- Morehouse Mentoring Program-Frederick Douglass Tutorial Institute
- The Federal Work-Study/Community Scholars Program
- The Community Revitalization Task Force
- The United Way Internship

THE HONORS PROGRAM

The Morehouse College Honors Program (HP) is a four-year academic program for outstanding students, based in the liberal arts core and integrating the General Studies curriculum with specially designed traditional and cross-disciplinary offerings. Students of high intellectual ability, strong motivation, and broad interests are provided stimulating learning opportunities in the classroom and outside the regular academic environment. HP members take special sections of regular Morehouse courses, taught by Honors faculty members who are chosen on the basis of their reputations as outstanding teachers. Course enrollment is limited to approximately 20 students. The program is open to students in all academic disciplines and majors. Faculty members in the program nurture the Honors Program participant throughout his college life, in the areas of scholarly inquiry, independent and creative thinking, and exemplary scholarship. The program emphasizes leadership and social outreach to balance the student's academic pursuits.

ADMISSION TO THE PROGRAM

Admission to the Honors Program is based on SAT and ACT scores (generally a minimum of 1170 and 27, respectively), high school GPA (a minimum of 3.0), and a profile completed by each prospective freshman; a typical student enters the four-year program as a freshman. Students enrolled in dual-degree programs at other institutions graduate from the Honors Program at the end of five years. Ninety-five percent enter as first semester freshmen. Second-semester freshmen and first-semester sophomores may apply for admission if they are not admitted at the beginning of their freshman year. These students usually have been recommended by teachers or departmental chairpersons and have maintained a GPA of 3.25. In rare cases of promising freshmen whose entrance scores fall just below the minimum, admission is possible on a one-semester, conditional basis. Entering freshmen may petition for exemption credit based on AP, IB, and A-Level scores from high school programs, as well as on approved college credits received during high school.

LOWER-DIVISION HONORS (FRESHMEN AND SOPHOMORES)

Students on this level are enrolled in sections of English, world history, mathematics (either pre-calculus or calculus, depending on the major), world literature, French, Spanish, philosophy, political science, sociology, and psychology, over a two-year period. Each student takes other lower-division and major courses with members of the regular student body. During the first two years, each student is provided close guidance and advisement from the director of the program, who works closely with departmental chairpersons on matters of course selection and sectioning. In addition, upper-class Honors Program students serve actively as advisors, tutors, and role models for freshmen, from orientation week throughout the first year.

UPPER-DIVISION HONORS (JUNIORS AND SENIORS)

Students on this level are not required to take HP courses. However, they are expected to perform honors-level work in selected courses. The student will complete special course-related assignments, make presentations, participate in seminars, and focus on departmental research. One Honors Program interdisciplinary seminar is offered for seniors and selected juniors. During the senior year, each student will be expected to write and defend a senior thesis or project in his major department. The senior thesis is a staple of Honors Programs across the country and will be required at Morehouse after 2004. Currently under study at Morehouse, the senior thesis component of the Honors Program will provide excellent preparation for students desiring to do graduate or professional studies or to enter high-level positions upon graduation.

The following courses are offered in the Honors Program, in conjunction with the designated College departments:

Biology 111-112 and Lab	French 251-252	Mathematics 251-252	Psychology 101
Biology 320 (on demand)	History 111-112	Mathematics 351	Senior Seminar 340
English 103 (Composition)	Mathematics 100	Philosophy 201	Sociology 101
English 250 (World Literature)	Mathematics 154	Political Science 251	Spanish 251-252

At graduation, students will have a minimum of 10 Honors Program courses or their equivalent and a minimum of one cross-disciplinary seminar.

REQUIREMENTS AND STANDARDS

The Honors Program student must maintain a minimum GPA of at least 3.0 during his freshman and sophomore years. The minimum for juniors and seniors is 3.25. Any student falling below the minimum is placed on a one-semester probation in the program; he will have the following semester to raise his GPA and to resume his good standing in the program. If he does not attain the minimum, he will be dropped from the program. No first-semester freshman is dropped or put on probation, unless his GPA falls so low during the first semester (below 2.5) that it is impossible for him to recover in the following semester. Students who maintain high averages in the Honors Program are recognized throughout the academic year in special assembly programs, Collegewide Scholars Day, special scholarships and internships, and recommendations from teachers in the program for periodic national awards and prizes.

ADMINISTRATION OF THE HONORS PROGRAM

The program is administered by a director, a program assistant, and an Honors Program Council, composed of the senior vice president for academic affairs, selected departmental chairpersons and core faculty members, three student representatives and the director.

THE HONORS PROGRAM CLUB

The Honors Program Club (HPC) is a chartered, student-administered organization of all students in the program. It elects its own officers annually, holds monthly meetings to plan and implement social and academic activities, works with other chartered organizations to present speakers and programs, and participates in activities with Honors Program students in other local colleges. The club is governed by the College's regulations for campus groups and by its own constitution and by-laws. HPC members have close associations with program members at Clark Atlanta University, Georgia State University, Spelman College and the University of Georgia. Honors Program Club members are encouraged to qualify for the California based national quiz bowl, Honda Campus All-Star Challenge, which is sponsored by the Morehouse Honors Program open to any interested student.

PROFESSIONAL AFFILIATIONS

Morehouse College holds institutional memberships in the National Collegiate Honors Council, the Southern Regional Honors Council, the National Association of African-American Honors Program, and the Georgia Collegiate Honors Council. Students and faculty members take out individual memberships in these professional associations. Each organization holds an annual meeting, where selected Morehouse faculty and students attend as delegates, present papers, and conduct workshops.

THE LEADERSHIP CENTER AT MOREHOUSE COLLEGE

A PROGRAM DEDICATED TO STRENGTHENING CIVIL SOCIETY THROUGH ETHICAL LEADERSHIP

The Leadership Center at Morehouse College (LCMC) was established in 1995 with a generous four-year grant from The Coca-Cola Foundation. The College currently is engaged in a drive to secure funds to build a state-of-the-art facility to house academic departments, institutes and related projects that will participate in a comprehensive interdisciplinary leadership program that will incorporate the latest technological resources and strategies. The leadership program is being developed with the input of a diverse planning committee composed of leadership scholars, faculty, staff, students, alumni and community leaders.

Program goals consist of education, research and training and of using new and emerging instructional and information technologies to enable students, scholars and practitioners to study critical leadership issues that impact civil society; research projects and activities that involve faculty, students and scholars-in-residence in data collection, analysis, and publishing on interdisciplinary issues pertinent to the mission of the Center. In addition, the Leadership Center focuses on campus-based, local, state, national and international leadership training and consultation utilizing intensive experiential strategies, service learning and community development projects.

THE MARTIN LUTHER KING JR. INTERNATIONAL CHAPEL

The Martin Luther King Jr. International Chapel on the Morehouse College campus, with its Gandhi Institute for Reconciliation and its Chapel Assistants Program, aims to signify forever Christ's ecumenical ministry of reconciliation to people of all faiths. The Chapel endeavors to support diverse "communities of hope" that live out positive divine promises of unity, peace, justice and nonviolence. Transdenominational, interdisciplinary and interfaith, it emphasizes mentor/mentee relationships and devotion to ethical and transcendent rule in optimum human conditions, which lead to genuine community and global excellence based on a Hindu-Buddhist-Islamic-Judaic-Christian love. The King International Chapel encourages an experience of awareness, prayer, praise, preaching and praxis that greatly enriches one's life and brings each person into a meaningful relationship with God, people and nature. The Sunday College Worship Service addresses itself to the deepest needs and aspirations of the human spirit. In so doing, it does not seek to undermine whatever may be the religious preference that gives meaning and richness to a particular life, but, rather, to deepen the authentic lines along which a quest for spiritual reality has led. The worship service is a time of challenge, dedication and stimulation, and a symbol of the intent of Morehouse College to recognize spirituality as fundamental to the human experience. Our purpose is to create an environment where we realize that we are special and unique emanations of God, the Love-Intelligence that governs the universe.

THE MOREHOUSE RESEARCH INSTITUTE

In January of 1990, the Morehouse Research Institute (MRI) was established. Created to study and develop solutions to improve the condition of black men in America, MRI is a national clearinghouse of information about the more than 18 million African American males in the United States. The Institute features researchers, educators, and activists working together on research on black males and social policy.

The principal objectives of MRI are to increase the availability of scholarly work on issues concerning the status of African American men and boys, and to increase the visibility of researchers and policy analysts who are working on solutions to the problems that currently threaten not only the vitality of the black community but also the social and economic health of the nation.

As an integral component of Morehouse College, the programs of MRI aim to restore interest in the social sciences and the humanities as well as provide an increasingly accessible body of knowledge about black males. Students are involved at all levels.

ARMY RESERVE OFFICER TRAINING CORPS (AROTC) PROGRAMS

MISSION AND OBJECTIVE

The mission of the Army ROTC Program is to prepare students for commissioning as U. S. Army officers. To accomplish this mission, the Army ROTC program emphasizes the requisite interpersonal, conceptual, technical and tactical skills to develop junior leaders. The Army ROTC Program also stresses the influencing, operating and improving actions required to lead organizations.

The Army ROTC program is designed to prepare our students to be bold and dynamic leaders who provide purpose, direction and motivation to an organization. Overall, the Army ROTC curriculum prepares students to become effective leaders and managers in a variety of responsible and challenging commissioned officer fields, thus development and progression.

To be effective leaders, students should:

1. Be able to demonstrate loyalty, devotion to duty, respect, honor, integrity and personal courage.
2. Be able to think and act quickly and logically, even when there are no clear instructions or the original plan falls apart.
3. Understand the decision-making process and its application to military decision making and problem solving.
4. Develop effective communication.
5. Be able to meet Army physical fitness, height and weight standards.
6. Understand basic military leadership techniques and their appropriate applications. Be able to demonstrate mature, responsible behavior that inspires trust and earns respect.
7. Be able to demonstrate mature, responsible behavior that inspires trust and earns respect.
8. Understand team-building concepts and motivational techniques and be able to apply them to improving, developing and building an organization.
9. Understand concepts of human behavior and counseling techniques and be able to apply them effectively within an organization.
10. Understand and appreciate military history and be able to apply lessons learned to future decision making.
11. Understand the impact of political, moral and ethical issues and be able to anticipate their impact on decision making.

COMPLETION REQUIREMENTS FOR ARMY ROTC COMMISSIONING

Currently, a major or minor is not offered through Army ROTC. Instead, Army ROTC courses are incorporated in a student's normal degree requirements. The Army ROTC curriculum is divided into two components and consists of 24 semester hours of military science courses: a basic course component (12 hours), open to all students; and an advance course component (12 hours) for all junior, senior and graduate students. The student who is undecided about pursuing a commission has the option of participating in the basic course without incurring a military obligation. Successful completion of the basic course (or equivalent training), a minimum 2.0 cumulative grade point average, and the appropriate medical and physical qualifications are prerequisites for enrollment in the advance course. Successful completion of both courses, advance camp, professional military education courses and the award of a bachelor's degree constitutes the normal progression to gaining a commission as a Second Lieutenant and began service in the Active Army, Army Reserve or Army National Guard. Courses are available to both men and women. Courses are also available to Spelman College, Clark Atlanta University and Morris Brown College students, through standard cross-enrollment procedures.

THE BASIC COURSE CURRICULUM

The basic course curriculum consists of four three-semester hour courses and corresponding laboratories, taken during the freshman and sophomore years. Successful completion of all these courses (or equivalent training) satisfies the military science requirements for progression to the advance course curriculum. These courses provide a foundation in basic military subjects such as customs and traditions, history, leadership and map reading. They complement a student's academic life, provide a challenge, foster confidence, and facilitate personal growth and development. Courses are offered fall and spring semesters only. Courses are three semester hours and normally meet twice a week. As part of each course, participation in a corresponding leadership laboratory and physical conditioning training is also required. Students in the basic course do not incur any military obligation unless they are on an Army ROTC scholarship. Scholarship cadets are required to participate in a field training exercise each semester. They are issued uniforms and may participate in other ROTC related events and training, such as Airborne (parachutist) School, Air Assault (rappel) school, and Northern Warfare Training. The basic course consists of the following:

- MSC 110 The Military Role in Perspective
- MSC 110L Leadership Laboratory
- MSC 120 Terrain Analysis and Land Navigation
- MSC 120L Leadership Laboratory
- MSC 210 Basic Leadership
- MSC 210L Leadership Laboratory
- MSC 220 Analysis of Command and Leadership
- MSC 220L Leadership Laboratory

Basic Camp Option

The basic camp option is designed for academically qualified students, including graduate students, who were unable to fulfill the requirement of the basic course curriculum and have at least two academic years remaining. Students who successfully complete basic camp preparatory training qualify for admission into the advance course curriculum. This option provides a two-year program in lieu of the standard four-year curriculum.

The basic camp option consists of a six-week training period, during the summer months, conducted at an active Army installation. During each summer, various course dates will be available to meet student needs. Students choosing this option are required to submit a formal application and pass a general physical examination. Students electing the basic camp training program are paid approximately \$700. The government furnishes travel, uniforms, medical care and meals. Interested students should contact the military science department to apply or receive more information.

THE ADVANCE COURSE CURRICULUM

The Advance Course is designed to fully develop a cadet's leadership and management potential. Emphasis is on physical stamina and self-confidence, as well as those personal characteristics desired in an Army officer. The objective is to produce the highest caliber junior officer, fully capable of discharging a wide spectrum of command and management responsibilities required in the modern Army and business world.

The Advance Course consists of 12 semester hours of instruction, normally taken during the junior and senior years. Successful completion of the four courses fulfills the military science academic requirements for award of an officer's commission. Each student must also participate in a regular physical conditioning program and successfully pass the Army Physical Fitness Test. All Advance Course students must participate in field training exercise once each semester. Advance Course students receive a subsistence allowance of \$200 a month during the length of the school year. Service veterans and service academy cadets may qualify for direct entry into the Advance Course. Advance Course students are eligible to participate in the Simultaneous Membership Program with the Army Reserve or National Guard. Students in this program join the Army Reserve or National Guard, receive permission to participate in Army ROTC, and affiliate with a unit as an officer trainee. Once all ROTC training and degree requirements are complete, an Army commission is awarded. The advance course consists of the following:

- MSC 310 Advance Navigation
- MSC 310L Leadership Laboratory
- MSC 320 Tactical Decision Making
- MSC 320L Leadership Laboratory
- MSC 410 Military Justice and the Law of War
- MSC 410L Leadership Laboratory
- MSC 420 The Military Profession
- MSC 420L Leadership Laboratory

Advance Camp Requirement

To be eligible for commissioning, Advance Course students are also required to complete a five-week Advance Camp. Advance Camp attendance normally occurs during the summer between the junior and senior years. In preparation for Advance Camp, students will be required to attend several mandatory weekend training events, during the prior school year. Additionally, students can also participate in voluntary training, such as Airborne (parachutist) School or Cadet Troop Leader Training (a several week internship with an Active Army Unit).

Professional Military Education Requirement

In addition to completing the Basic and Advance Course curriculums, students must complete at least one undergraduate course from each of five designated fields of study:

1. **Written communications:** select any English composition or creative writing course.
2. **Human Behavior:** select any psychology, sociology, anthropology or ethics course.
3. **Military History/National Security Studies:** select any history or political science course and get the approval of the professor of military science.
4. **Computer Literacy:** select any computer science course that introduces the student to personal computer terminology, hardware, and application software (word processing, spreadsheet or database, and graphics or briefing presentation applications) or otherwise demonstrate proficiency.
5. **Mathematics Reasoning:** select any course offered through the Department of Mathematics and get the approval of the professor of military science.

SUGGESTED COURSE SEQUENCE

Freshman Year			
Fall Semester		Spring Semester	
MSC 110	3 hours	MSC 120	3 hours
MSC 110L	0	MSC 120L	0
Total	3 hours	Total	3 hours
Sophomore Year			
Fall Semester		Spring Semester	
MSC 210	3	MSC 220	3
MSC 210L	0	MSC 220L	0
Total	3 hours	Total	3 hours
Junior Year			
Fall Semester		Spring Semester	
MSC 310	3	MSC 320	3
MSC 310L	0	MSC 320L	0
Total	3 hours	Total	3 hours
Senior Year			
Fall Semester		Spring Semester	
MSC 410	3 hours	MSC 420	3 hours
MSC 410L	0	MSC 420L	0
Total	3 hours	Total	3 hours

SPECIAL REQUIREMENTS FOR SCHOLARSHIP RECIPIENTS

In addition to class attendance, all Army ROTC scholarship and contracted students are required to attend physical training, corresponding leadership laboratory and several mandatory weekend training events. Weekend training is designed to provide additional leadership training and practice military skills. Specific details, times and locations for these events are included in each course syllabus. All attempts will be made to keep weekend training to a minimum. However, some mandatory training is necessary in order to meet Advance Camp and commissioning requirements.

SCHOLARSHIP PROGRAMS

Each year Army ROTC offers a variety of full scholarship programs to those young men and women who have demonstrated outstanding academic and leadership potential. Eligibility for a four-, three- or two-year scholarship is based on the number of academic years required for degree completion. Students with less than two academic years remaining are ineligible. Scholarships are applied only toward tuition and mandatory educational fees. An additional scholarship benefit is a designated book allowance (currently \$450 per year), and a tax-free subsistence allowance of \$200 a month throughout the school year. Scholarship students will incur an obligation to serve in the Active Army, Army Reserve or National Guard.

Four-year scholarships are awarded to incoming freshmen, during their senior year of high school, through a national merit competition. Incoming freshmen need to apply prior to November 15, early in their senior year of high school. For application or eligibility information students can call 1-800-USA-ROTC.

Under the Campus-Based Scholarship Program (CBSP), three-year and two-year scholarships are available directly through the professor of military science. Students are encouraged to apply early in the spring semester, beginning in January. The deadline for three-year CBSP scholarship applications is April 15. The deadline for two-year CBSP scholarship applications is June 1. Students who wish to obtain a commission as an officer, but do not desire to serve on active duty can request a two-year Guaranteed Reserve Forces Duty (GRFD) scholarship application for either the Army Reserve or National Guard. In this program, students are guaranteed, in writing, that they will not be selected for active duty service and can fulfill their entire commitment in the Army Reserve or National Guard. Students will be required to enlist in the Army Reserve or National Guard, based on the type of GRFD scholarship selected and prior to scholarship activation. The deadline for two-year GRFD scholarship application is April 1. For application or eligibility information, students can contact the Department of Military Science at (404) 758-2561 or 752-8826.

MILITARY SCIENCE (MSC)

110. The Military Role in Perspective

3 hours

Introduction of the Army ROTC program. Surveys military campaigns from the American Revolution to World War II. Examines the need for military forces in society, the national security organization and the Army's role in American defense strategy. *Must be taken concurrently with MSC 110L.*

120. Terrain Analysis and Land Navigation

3 hours

Introduces students to basic principles of land navigation and the tactical analysis of terrain. Surveys military campaigns from the Korean Conflict to present. Students learn to read maps, identify and locate terrain features, and tactically analyze terrain. Additional emphasis is placed on development of oral communication skills through short student presentations. *Must be taken concurrently with MSC 120L. Prerequisite: MSC 110 or instructor permission.*

210. Basic Leadership

3 hours

Emphasizes the skills that form the foundation of military leadership and management. Students explore a variety of factors that affect the development of an individual's leadership style. Through an examination of social and ethical values, students are exposed to problems they must face as leaders. Practice exercises and seminars help the student understand how to manage leadership responsibilities. *Must be taken concurrently with MSC 210L. Prerequisite: MSC 120 or instructor permission.*

220. Analysis of Command and Leadership

3 hours

Introduces students to the influencing, operating and improving actions required to build and lead organizations. Emphasizes the skills that form and build an effective group of people, exploring a variety of

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factors that affect their development. Includes fundamental techniques and methods of giving instruction and presenting a military briefing. Utilizes individual presentations, group conferences, and critiques. Must be taken concurrently with MSC 220L. *Prerequisite: MSC 210 or instructor permission.*

310. Advance Navigation **3 hours**
Examines the fundamentals of land navigation. Students analyze the conduct of tactical operations and the characteristics of various combat weapons. Must be taken concurrently with MSC 3 IOL. *Prerequisites: MSC 110, 120, 210 and 220 or equivalent.*

320. Tactical Decision Making **3 hours**
Examines tactical decision making at the small military organization level, within a tactical environment. Emphasis is placed on small unit tactics, the decision making process, essential military skills, and communication and presentation skills. Must be taken concurrently with MSC 320L. *Prerequisite: MSC 310.*

410. Military Justice and the Law of War **3 hours**
Examination of the ethical professional aspects of being a military officer, along with discussion of the moral dimension of modern warfare. Students also receive information to facilitate the transition from civilian to military officer. Must be taken concurrently with MSC 410L. *Prerequisites: MSC 310 and 320.*

420. The Military Profession **3 hours**
Examines the social pressures and influences that are imposed on the military officer. Emphasizes standards of conduct, integrity and special trust that the military officer must possess. Additionally, a final review of basic military knowledge and skills are given to ease the transition from civilian to military officer. Must be taken concurrently with MSC 420L. *Prerequisite: MSC 410*

110L/120L, 210L/220L, 310L/320L, 410L/420L. Leadership Laboratory **0 hours**
Supplements instruction covered in each corresponding military science course and provides practical application in basic military skills and subjects, planning and leadership. Emphasis is placed on drill and ceremonies, land navigation, time management, and leadership. Additionally, emphasis is placed on the planning, preparation and execution of training.

NAVY RESERVE OFFICER TRAINING CORPS (NROTC) PROGRAMS

GENERAL INFORMATION

The NROTC Program is an officer accession point for the United States Navy and Marine Corps. Upon graduation and subsequent commissioning, Naval officers are ordered to active duty service primarily in the aviation, submarine and surface warfare communities. Marine Corps commissionees report to the Marine Corps Basic School for further training and follow-up assignments in a variety of specialties.

The program's objective is to provide students with the basic concepts and principles which they will need as commissioned officers in the naval service. NROTC students receive an educational background in the basics of naval science, principles of leadership and management and requirements for national security. This background allows later participation in advanced naval education programs.

NROTC students are enrolled in one of the three categories outlined below.

NROTC SCHOLARSHIP STUDENTS

The NROTC scholarship pays for tuition, fees, (labs, etc.), and a portion towards textbooks. The Navy also provides uniforms and a monthly subsistence allowance. Scholarship students must complete the Naval Science curriculum and take summer cruises of four to six weeks duration between academic years, usually aboard Navy ships, submarines or Marine Corps Bulldog Training.

Four-year scholarship students are selected through nation-wide competition. Selection criteria are derived from SAT or ACT scores, high school academic performance and extracurricular activities. The selection process is administered by the Naval Recruiting Command; however, the NROTC unit will provide guidance and information to applicants.

NON-SCHOLARSHIP STUDENTS

Non-scholarship students interested in a naval commission may apply for the NROTC College Program. In this program the Navy provides uniforms and Naval Science textbooks. College Program students are eligible to compete for a one-, two- or three-year NROTC scholarship as described above. NROTC College Program requirements include the completion of the Naval Science curriculum and participation in a summer cruise between the junior and senior year.

Interested students may apply at the NROTC Unit or through the Director of Admissions. The application process includes a review of previous academic performance and an interview.

TWO-YEAR SCHOLARSHIP PROGRAM

Sophomore students who have not been enrolled in the NROTC Program may become NROTC midshipmen by applying and competing nationally for a two-year NROTC scholarship. This scholarship provides tuition, fees, labs, and textbooks for the junior and senior years. Those selected for the program attend six weeks of training in Newport, R.I., which takes the place of the first two years of Naval Science classes. Upon successful completion, the students join the NROTC Unit on an equal footing with other NROTC students in their junior year of naval science classes.

NAVAL SCIENCE CURRICULUM

In addition to the required naval science courses, all Navy Option Scholarship Students are required to take two semesters of calculus, two semesters of calculus-based physics and one semester of computer science. Any additional requirements are based on the student's choice of a technical or non-technical major, Navy or Marine selection and scholarship or non-scholarship status. Any College-approved major is acceptable, though technical majors are preferred. Students should obtain a complete description of academic requirements from the NROTC Unit and their class adviser.

Some Naval Science Courses are not accepted by certain majors and do not count toward degree requirements. Students should be prepared to take a heavier course load in matriculating through the NROTC Program.

COURSE SEQUENCE

Freshman Year

Fall Semester
Naval Science 101

Spring Semester
Naval Science 102

Morehouse College/202
2003-2004

Fall Semester
Naval Science 401
Analysis I

Fall Semester
Naval Science 301
Physics (calculus-based)

Fall Semester
Naval Science 201

Sophomore Year

Spring Semester
Naval Science 202
Analysis II

Junior Year

Spring Semester
Naval Science 302
Physics (calculus-based)

Senior Year

Spring Semester
Naval Science 402
Computer Science
International Affairs

NAVAL SCIENCE COURSE DESCRIPTIONS

101. Naval Orientation

2 hours

Provides an introduction to the United States Navy and Marine Corps including organization, traditions and regulations, career opportunities and shipboard safety and emergency procedures. Also covers study and test-taking skills and develops writing ability throughout the semester.

102. Seapower and Maritime Affairs

3 hours

Provides an understanding of broad principles, concepts, and elements of seapower and maritime affairs. Examines the history and modern political applications of seapower as it relates to the United States and other nations.

201. Naval Weapon Systems

3 hours

Introductory study of engineering principles using Naval Weapon Systems as examples for study. Students develop a fundamental working knowledge of weapon system components and subsystems and their contribution to the overall system. Topics covered include radar and underwater sound propagation theory, weapon capabilities and the role that they play in the Navy's mission.

202. Naval Engineering

3 hours

Provides an introduction to engineering using naval propulsion plants as examples for study. Subjects covered include thermodynamics, the steam cycle (both conventional and nuclear), internal combustion and gas turbine engines, electrical distribution systems, hydraulics, refrigeration cycles and basic naval architecture including stability and buoyancy.

301. Navigation I

3 hours

Provides theory and techniques of navigation at sea. Areas of emphasis include: dead reckoning, piloting, rules governing waterborne traffic and utilization of nautical charts, tables and navigational instruments such as the sextant. Advanced electronic navigation systems are also introduced.

302. Navigation II

3 hours

Provides an understanding of the elements and principles of naval operations. Introduced are command responsibility, tactical doctrine, communication procedures, and relative movement problems. Practical applications include a review of navigation techniques

310. Evolution of Warfare

3 hours

Studies forms of warfare practiced by past and present military strategists on economical, psychological, moral, political and technological factors. Selected campaigns are studied, with emphasis on the leadership, evolution of tactics, weaponry, and principles of war. Warfare strategies, policies and doctrines are studied from prehistoric periods to the dawn of the modern era.

401. Naval Leadership and Management I

3 hours

Theme is "junior officer as a manager, organizational decision maker and leader." Provides a comprehensive advanced level study of organizational behavior and management. Major behavioral theories and their practical applications are explored in detail. Other topics developed include values, ethics, decision-making, communication, responsibility, authority, accountability, and total quality leadership (TQL).

402. Naval Leadership and Management II

3 hours

As the capstone course of the naval science curriculum, it discusses and develops an overview of the duties, responsibilities, and expectations of a junior naval officer. Includes the study of significant features of military law, values, ethics, leadership, divisional maintenance administration and training. Also covers elements of personal affairs such as finance, orders, benefits, travel and related topics.

410. Amphibious Warfare

3 hours

Provides an understanding of the importance of projecting sea power ashore with emphasis placed on the Battle of Marathon in Athens in 410 B.C., the Gallipoli campaign and the Battle of Inchon in 1950. The student will gain an appreciation for the application for Amphibious Warfare from the pre-modern age to contemporary times. Strategic concepts and tactical considerations will be studied in planning specific operations and amphibious landings.

TRIO PROGRAMS

The Federal Trio Programs are sponsored by the U.S. Department of Education and are funded under Title IV of the Higher Education Act of 1965. These programs assist students to overcome class, social, academic and cultural barriers to higher education. Currently, there are seven programs on the Morehouse College campus, serving students from middle school to post-baccalaureate programs. There are over 1,500 students enrolled in these projects. These seven programs are: (1) Upward Bound (two projects), (2) Talent Search, (3) Student Support Services, (4) Math/Science Regional Center, (5) State Math Center, and (6) Ronald E. McNair Post-Baccalaureate Program. They identify promising students and assist them with the transition from middle school to high school as well as the college application process (Talent Search); prepare students to do college-level work (Upward Bound); increase the number of high school students from under-represented backgrounds to obtain degrees in math, science and engineering (Math/Science Regional and State Centers); provide tutoring, counseling and preparation for graduate school for Morehouse students (Student Support Services); and provide research opportunities to increase the number of students who complete Ph.D. programs in the areas of math, science and engineering (Ronald E. McNair).