

## COLLEGE of ARTS and SCIENCES

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### GENERAL INFORMATION

The College of Arts and Sciences provides the fundamental training needed by all persons who wish to become college graduates. Students in all undergraduate schools and colleges in the University take more than half their courses during the first two years in the College of Arts and Sciences. In addition, the College provides pre-professional curricula for students who take their professional training elsewhere. Thus, pre-medical, pre-dental, pre-pharmacy, pre-law, pre-ministerial, pre-optometry, medical records administration, pre-nursing, and physical therapy training are available within the College of Arts and Sciences. Medical and dental students completing required courses are eligible for consideration of a B.S. degree from Mississippi State after one year in the professional school.

Majors are offered in the following: anthropology, art, biological sciences, chemistry, communication, economics, English, foreign languages, general liberal arts, general science, geoscience, history, international business, mathematics, medical technology, microbiology, physics, political science, philosophy, psychology, sociology, and social work.

Students who are undecided about a specific curriculum should select the Undeclared category. Advisors are available to assist these students in developing their educational and career goals. A student is permitted to delay a decision as to a field of concentration for one year.

Minors are available in the following: aerospace studies, anthropology, art, biological sciences, chemistry, communication, English, foreign languages, geography, geology, geoscience, history, mathematics, philosophy, physics, political science, psychology, religion, sociology and statistics.

In addition to these majors and minors, courses are offered in Air Force ROTC, archaeology, Army ROTC, corrections, gerontology, and women's studies. Information concerning these offerings can be found in this section of the catalog.

### MISSION

The educational mission of the College of Arts and Sciences is two-fold: to provide students with a liberal education which will facilitate intellectual development and stimulate a life-long pursuit of knowledge, and to give students an in-depth education in at least one specialized area necessary to prepare them for a career or for advanced study.

The College offers curricula in the fine arts, the humanities, the sciences and the social sciences. These curricula are designed to introduce students to the basic methods of inquiry in diverse disciplines, to develop their analytical abilities, to improve their skills in writing and speaking, and to broaden their perspectives on humanity and culture in the natural and technological worlds. Additionally, they provide intensive preparation in one or more academic disciplines.

A liberal education attained in this context should ensure that graduates of the College have gained an understanding and appreciation of human culture. They should have examined the social, historical, political, philosophical and economic dimensions of the human condition and mankind's perception of the world as it is expressed through the fine arts, language, and literature. They should have learned the use of quantitative and scientific methods and should have participated in the universal quest to comprehend natural phenomena and to utilize this knowledge beneficially and ethically.

### ADVISING

The student is assigned an advisor as soon as he or she enters the College of Arts and Sciences and should maintain contact with that advisor throughout the university affiliation. The advisor will assist the student in developing a course of study and will serve as a resource person to deal with academic problems and student needs.

### DEGREES

The College of Arts and Sciences offers four degrees: the Bachelor of Arts, the Bachelor of Social Work, the Bachelor of Fine Arts, and the Bachelor of Science. All B.A., B.S., B.F.A., and B.S.W. students take a common set of requirements consisting of 25-29 semester credit hours in

basic skills, 9-10 semester credit hours in natural sciences, 6 semester credit hours each in humanities and social sciences, and 3 semester credit hours in fine arts, computer literacy, and a junior/senior level writing course. The B.A. and B.S.W. curriculum requires 12 additional semester credit hours each in humanities and social sciences. The requirements for all four degrees as well as the curricula for specific areas of study are described below. For a description of the B.F.A. requirements, please see the entry under the Department of Art. Details for B.S.W. degree requirements are listed under Social Work.

In order to qualify for a second bachelor's degree at Mississippi State University, the candidate must meet the following requirements: (1) The student must satisfy all course requirements for the degree sought; and (2) The student must satisfy residency requirements at Mississippi State University after the first degree has been conferred. The major department from which the second degree is sought shall determine completion of requirements.

### COLLEGE REQUIREMENTS for ALL A&S DEGREES

The College of Arts and Sciences has identified graduation requirements which must be satisfied by all students pursuing degrees conferred by the College. Furthermore, these requirements (listed immediately below) must be satisfied from a list of courses approved by the College. These approved courses are taken from a longer list of courses satisfying University Core requirements which can be found in the front pages of this *Bulletin*. However, majors in the College of Arts and Sciences must be aware that there are numerous courses on the University Core list which are not on the College approved list. Copies of the College courses approved list are available both from the Dean's Office and from advisors.

### BACHELOR of ARTS DEGREES and REQUIREMENTS

A Bachelor of Arts degree is offered in the following areas: anthropology, chemistry, communication, economics, English, foreign languages, general liberal arts, history, mathematics, philosophy, political science, psychology, and sociology. The Bachelor of Social Work is offered in Social Work and follows the same basic regulations as the B.A. degree except that courses must be taken in proper sequence and a minimum of 130 hours is required.

The liberal arts include certain basic academic disciplines that contribute to the development of intelligent, moral beings. Over the centuries various subjects have at one time or another been spoken of as "liberal arts," but the objective of liberal-arts training has remained unchanged. Whether students major in liberal arts or whether they merely take a few basic courses in that field, the liberal arts will enable them to develop those fundamental habits of good citizenship and cultural awareness which are expected of all members of our society.

The curriculum in liberal arts at Mississippi State University is intended to provide:

1. a broad educational experience in the liberal arts, regardless of professional objectives;
2. adequate preparation for admission to professional schools and graduate schools in the liberal arts disciplines;
3. specialized training of a professional or pre-professional nature, as offered by the several liberal-arts departments.

### BACHELOR of ARTS CURRICULA

A minimum of 128 credit hours is required in all B.A. programs, 32 of which must be upper-division (3000-level or higher) Arts and Sciences credits.

In most departmental majors, the curricular requirements are sufficiently flexible to allow a student in liberal arts to select his or her departmental major at any time during the freshman or sophomore year. Whenever a student has made a decision as to a departmental major, whether it be at the beginning of the freshman year or later, he or she will be assigned to a major advisor in that department. If a student has not decided upon a major field, he or she should register as an Undeclared student and take courses in the common curriculum which will prepare him or her for a subsequent shift into a departmental major.

## BACHELOR of SCIENCE DEGREES and REQUIREMENTS

A Bachelor of Science degree is offered in the following areas: biological sciences, chemistry, general science, geoscience, mathematics, medical technology, microbiology, physics and psychology.

The Bachelor of Science degree is awarded:

- (1) on the completion of not fewer than 136 semester credit hours of study including 32 upper-division Arts & Sciences approved credits and the common curricula for Arts & Sciences (carrying 272 quality points) approved by the dean and an official advisor.
- (2) on the completion of at least 102 semester credit hours (carrying two quality points for each credit hour) of approved study (not fewer than 32 semester hours of upper-division courses in residence at Mississippi State University) and on presentation through the dean or registrar of an approved school of medicine, dentistry, or medical technology of a certificate of the satisfactory completion of all courses in the first year of professional study.
- (3) on the transfer of satisfactory credits from other institutions, provided the candidate, during at least one academic year in actual residence, receives 32 credits in upper-division courses in the College of Arts and Sciences.

### GRADUATION REQUIREMENTS in the COLLEGE

Arts and Sciences majors **are responsible** both for **knowing** the graduation requirements associated with their degree program and for **keeping track** of their own progress toward graduation. Faculty advisors are available to offer students informed answers to their questions and, during registration, to review and approve their course schedules. In addition to the graduation requirements outlined above, students pursuing majors in the College of Arts and Sciences need to be aware of a number of special requirements having to do with graduation.

- (1) **Senior Check sheets:** College seniors who have completed 90 or more semester hours (including 'S' hours) must meet with their advisors and complete a Senior Check sheet or they will be unable to register for courses. A completed Senior Check sheet allows a student to determine which graduation requirements are not completed at the time the Check sheet is filled out; this then allows the student to identify those remaining courses he/she still needs to pass in order to graduate. A Senior Check sheet cannot be completed until all transfer course work and/or independent study is on record with the Office of the Registrar.
- (2) **Total Hours Passed:** EN 0103, Basic English, and MA 0103, Fundamentals of Algebra, do **not** satisfy any graduation requirements; they do **not** count toward the English composition and mathematics graduation requirements, **nor** can they be counted as electives. However, the University routinely reports credit earned in EN 0103 and MA 0103 on student grade reports and includes the grades earned in those courses in the student's QPA. This means that the total "hours passed" listed on grade reports **exaggerates** the number of hours passed **which apply toward the student's degree**.
- (3) **Independent Study:** Arts and Sciences majors are expected to take courses on the Mississippi State University campus when possible. If the desired courses are **not** offered, or if special circumstances exist, students may receive permission from the Dean to take courses through independent study. Hours earned through independent study will **not** apply toward upper-division residency requirements.
- (4) **CLEP Credit:** The College does **not** allow graduation requirements in English Composition, literature, or Public Speaking to be satisfied by the awarding of CLEP credit.

### ENGLISH and FOREIGN LANGUAGES REQUIREMENTS

The English and foreign language requirements apply to all Arts and Sciences students. Since departments have the authority to require specific foreign languages for their majors, students must become familiar with the language required by their individual major. The foreign language requirement is ordinarily satisfied:

- (1) by proving competency in any foreign language (including one's native language, if other than English) in a test administered by the Department of Foreign Languages or a national testing service;

### ARTS & SCIENCES CORE

In order to satisfy College graduation requirements, students seeking B.A., B.S., B.F.A., or B.S.W. degrees must take the number of courses indicated in each of the areas below. By satisfying these College requirements, students will simultaneously satisfy all analogous University Core requirements.

B.A. and B.S.W. students must complete 12 hours in Humanities and 12 hours in Social Sciences in addition to the two courses in the Humanities and Social Sciences required of all majors. Hence, a student must complete a total of 18 hours in the Humanities (EN, HI, PHI, REL), AND 18 hours in the Social Sciences (AN, CO, EC, GR, PS, PSY, SO).

These additional 24 hours are not limited to the courses listed which follow; they may be satisfied by others in EN, PHI, and REL or in AN, EC, GR, PS, PSY, SO as long as they satisfy the distribution requirements for the major.

While all of the courses below satisfy college-wide requirements, individual departments may require that particular courses in each area be taken to satisfy requirements for their majors.

NOTE: Courses listed on the same line, separated by "or" cannot be taken in combination. Students will not receive credit in Arts & Sciences for two courses which are listed on the same line.

- (2) by successfully completing a single upper-division course beyond the fourth semester in one's native language (if other than English) at MSU;
- (3) by taking two years of one foreign language in high school and successfully completing the third and fourth semesters of that language at MSU;
- (4) by taking three years of one foreign language in high school and successfully completing the fourth semester of that language at MSU;
- (5) by successfully completing 14 semester credits (or equivalent) in a foreign language.

**Students For Whom English is a Second Language.** Students for whom English is a second language must fulfill the English and foreign language requirements as stated in this bulletin. Most majors allow these students to use their native languages to fulfill the foreign language requirement. But students planning to use their native languages in order to satisfy the foreign language requirement are urged to check with their major department to determine if that language is acceptable to the department. As far as the College of Arts and Sciences is concerned, students may use their native language to satisfy the foreign language requirement provided that:

- (1) the language is a recognized mode of communication in conducting official business in a given country and taught in the primary and secondary schools of the country (regional languages and dialects do **not** qualify as official languages);
- (2) the Department of Foreign Languages has the expertise to administer a test in the language, or, where such expertise is not available, the student takes the initiative to take a test in the language from those administered through the National Testing Service, or by another certifiable agency;
- (3) the language meets specific departmental requirements.

In English, a maximum of 12 semester hours total of English as a Second Language (ESL) and freshman composition courses (including the required EN 1103 and EN 1113) may be counted for graduation. Proper placement of international students from ESL courses into English composition courses is important to students' academic success.

International students with a TOEFL score of 525 or higher should be placed in EN 1103. If their TOEFL score is 475-500, they should be placed in EN 1133; if their TOEFL score is 501-524, they should be placed in EN 1143. Once EN 1143 is passed, such students should be placed in EN 1103.

### PRE-PROFESSIONAL CURRICULA

The College offers appropriate curricula for students who plan to enter schools of dentistry, law, medicine, theology, nursing, optometry, pharmacy, and physical therapy. These are described with the departmental entries in the following pages.

### TEACHER EDUCATION

Please see the appropriate departmental entry or advisor for information on major programs which can incorporate courses for certification. It is especially important for students desiring certification to consult with their advisors before choosing options in required categories, like the natural sciences, or electives.

Students seeking secondary school teaching certification must complete phases II-IV of the Teacher Education program. (See "Admission Procedures in the College of Education")

The Mississippi State Department of Education provides an alternate route to certification to individuals who hold a baccalaureate or higher degree from a regionally accredited institution of higher education and have achieved a score at or above the 51st percentile, based on the 1983 norms, on each part of the core battery and the specialty area of the NTE. An individual who meets the two above requirements may, upon proper application, receive a provisional certificate for one year. The provisional certificate will allow the holder to seek a teaching job. Additional information is available from the Dean of Arts and Sciences, the Dean of Education, and the Mississippi State Department of Education.

**Basic Skills**

English Composition (6 hours)

EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp IEN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**CO 1093 Honors Oral Communication  
(Air Force ROTC students may substitute AS 3013 and AS 3023.)

Foreign Language

4 semesters One Foreign Language (1113 **or** 1114, 1123 **or**  
1124, 2133, and 2143)**Fine Arts (one course required)**

ARC 1013 Architectural Appreciation

ARC 2313 History of Architecture I

ARC 3313 History of Architecture II

ARC 3323 History of Architecture III

ART 1013 Art History I

ART 1023 Art History II

ART 1113 Art Appreciation **or**

ART 3143 Italian Renaissance in Art History

CO 1503 Intro to Theatre

MU 2213 History and Literature of Music I

MU 2323 History and Literature of Music II

MU 1113 Music Appreciation

PE 1123 History and Appreciation of Dance

**Humanities (EN, HI, REL, PHI)**B.S., B.F.A., and B.S.W. degrees require one EN and one HI from  
the core listing.B.A. and B.S.W. require one PHI course plus 3 other humanities  
(not necessarily on the following list). These three courses should  
cover at least two areas.)EN 2203 Intro to Literature (Not applicable if EN 1183 or  
1193 taken)

EN 2213 English Literature I

EN 2223 English Literature II

EN 2243 American Literature I

EN 2253 American Literature II

EN 2273 World Literature I

EN 2283 World Literature II

HI 1063 Early U.S. History

HI 1073 Modern U.S. History

HI 1083 Problems in American Civilization

HI 1163 World History Before 1500

HI 1173 World History Since 1500

HI 1183 Problems in Modern World Civilization

HI 1213 Early Western World

HI 1223 Modern Western World

HI 3813 Modern Latin America

B.A. and B.S.W. majors must take at least 1 PHI course.

PHI 1103 Intro to Philosophy

PHI 1113 Intro to Logic

PHI 1123 Intro to Ethics

PHI 3023 History of Western Philosophy: Part I

PHI 3033 History of Western Philosophy: Part II

PHI 3013 Business Ethics

PHI 2133 Intro to Aesthetics

REL 1103 Intro to Religion

REL 3213 World Religion: Part I

REL 3223 World Religion: Part II

**Social and Behavioral Sciences**

(B.S. and B.F.A. - two courses in different disciplines.

B.A. and B.S.W. - courses spread over at least 4 disciplines, max  
Of 1 in EC, max of 2 in each remaining discipline. Of the six, only  
Two required to be from the listing.)AN 1103 Intro to Anthropology **or**

AN 1343 Intro To Biological Anthropology

AN 1143 Intro Cultural Anthropology

AN 1543 Intro Archaeology

CO 1223 Intro to Communication Theory

CO 1403 Intro to Mass Media

EC 2113 Principles of Macroeconomics

EC 2123

GR 1123

GR 2013

GR 3113

GR 4123

GR 4203

PS 1113

PS 1313

PS 1513

PS 2713

PSY 1013

PSY 2513

PSY 3073

SO 1003

SO 1103

SO 1203

Princ Microecon

Intro to World Geography

Cultural Geography

Conservation of Natural Resources

Urban Geography

Geography of North America

American Government

Intro to International Relations

Comparative Government

Politics of the American Bureaucracy

General Psychology

Psychology of Adjustment

Psychology of Interpersonal Relations

Intro to Sociology

Contemporary Social Problems

Marriage and Family

**Computer Literacy**

One 3 hour course required. Consult advisor.

**Mathematics & Statistics**Either 2 courses required or one MA course at the level of MA  
1463 or higher.

MA 1313

MA 1303

MA 1323

MA 1613

MA 1713

MA 1623

MA 1723

MA 2733

MA 2743

MA 3113

ST 2113

ST 3113

College Algebra **or**

Quantitative Reasoning

Trigonometry

Calculus for Business and Life Sciences I

Calculus I

Calculus for Business and Life Science **II or**

Calculus II

Calculus III

Calculus IV

Introduction to Linear Algebra

Statistics for the Behavioral Sciences **or**

Introduction to Statistical Inference

**Natural Sciences**3 courses required, 2 with labs. B.A., B.S.W., and B.F.A. Majors  
must take 1 lab course in the Life Sciences BIO or EPP and 1 in  
the Physical Sciences CH, GG, GR, PH.

BIO 1004

BIO 1033

BIO 1023

BIO 1123

BIO 1203

BIO 1023

BIO 1504

BIO 1123

BIO 3103

BIO 3304

CH 1043

CH 1213

CH 1053

CH 1223

CH 1051

CH 1211

CH 1221

EPP 4154

GG 1111

GG 1113

GG 1121

GG 1123

GR 1114

PH 1041

PH 1042

PH 1011

PH 1063

PH 1021

PH 1013

PH 1023

PH 1113

PH 2213

PH 1123

PH 2223

PH 1133

PH 2223

Anatomy and Physiology

Biological Sciences **or**Plants and Humans **or**

Animal Biology

Plant Biology **or**

Plants and Humans

Principles of Zoology **or**

Animal Biology

Genetics I **or equivalent**

Parasitology

Chemistry **or**

Fundamentals of Chemistry

General Chemistry **or**

Fundamentals of Chemistry

Experimental Chemistry

Investigations in Chemistry

Investigations in Chemistry

General Entomology

Earth Science I Lab

Survey of Earth Science I

Earth Science II Lab

Intro to World Geography

Elements of Physical Geography

Physics Laboratory

Physics of Sound and Music

Physical Laboratory I

Descriptive Astronomy

Physical Science Lab 2

Physical Science Survey I

Physical Science Survey II

General Physics or

Physics I

General Physics

Physics II

General Physics

Physics II

**Junior/Senior Writing**

3 hours Consult advisor for selections.

**ANTHROPOLOGY (AN)**

See the Department of SOCIOLOGY, ANTHROPOLOGY, and SOCIAL WORK

**ARCHAEOLOGY**

See the Department of SOCIOLOGY, ANTHROPOLOGY, and SOCIAL WORK

## Department of ART (ART)

Professors: Funderburk, Gootee, Long, Mixon and Seckinger;  
Associate Professors: Chupa, DeMarsche (head) McCourt and Ngoh  
Assistant Professors: Elsea, Harvey, Haupt, Livingston, Miller, and Runnells;  
Instructors: Andrews and Luck; Lecturers: Pagilaro and Poole  
102 Freeman

### Mission

The Department of Art's primary undergraduate responsibilities include educating professional artists with emphases in Ceramics, Drawing, Graphic Design, Painting, Photography, Printmaking, and Sculpture; preparing students for a career or advanced study; offering courses that fulfill University requirements; and providing an active art gallery to serve the University, the community, and region.

### Bachelor of Fine Arts

The Bachelor of Fine Arts (B.F.A.) degree is a professional studio degree. The B.F.A. degree is earned after successful completion of an intensive, 4.5-5.5 year program that provides the student with a series of in-depth studio experiences leading to thesis/senior presentation balanced by studies in humanities, communication, mathematics, and sciences.

The B.F.A. degree may also serve as a preparation for graduate studies - usually the Master of Fine Arts (MFA) degree in studio art or design.

### Emphasis

In the Bachelor of Fine Arts degree, a student may choose an emphasis from the following: Ceramics, Drawing, Graphic Design, Painting, Photography, Printmaking, or Sculpture.

Art major students must earn a grade of "C" or higher in each studio and art history course in the B.F.A. program. (A "D" or "F" would require a repeat of the course until a "C" or higher is attained.) Art major students must earn a grade of "B" or higher in each studio emphasis course, or retake the course until a grade of "B" or higher is attained. (These requirements also apply to all transfer courses submitted for consideration.)

### Transfer Requirements

After successful admission to the University, and before application to the Foundation Portfolio Review, transfer students must arrange for a meeting with the Department's Foundation Coordinator in order to articulate art studio and history credits. This meeting requires the presentation of a comprehensive portfolio of artwork completed in studio courses, as well as course descriptions (and in some cases, syllabi) from classes completed for credit at other institutions. This meeting should take place as soon as possible after admission, but no later than the preregistration advising period of the first semester at MSU. The MSU Department of Art reserves the right to deny or accept transfer courses as applicable to the B.F.A. degree based on portfolio evaluation.

### Foundation Portfolio Review Requirements

Only Art majors who are interested in the Graphic Design emphasis are required to participate in the Foundation Portfolio Review. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and Introduction to Computing for Artists and Designers and possibly additional art courses. A grade of "C" or better must be achieved in each of these courses before students are allowed to participate in the review.

The Foundation Portfolio Review will result in an "accept" or "deny" into the Graphic Design emphasis. The student who is accepted (by faculty evaluation) may begin the emphasis sequence of courses. A student who is denied may remain in the art program and may resubmit a portfolio in the next Foundation Portfolio Review offered the following year. Students who are denied cannot take emphasis courses in Graphic Design until they resubmit a portfolio and are accepted into the program. A student who is denied twice cannot pursue a Graphic Design emphasis. He or she will have to choose another Fine Arts emphasis in order to pursue a B.F.A. degree in Art at MSU.

The Foundation Portfolio Review is held in December of each year. Only the top students will be selected in to the Graphic Design emphasis due to enrollment demand and limits in resources and classroom space. The usual acceptance rate is about 60-70 percent of those applying.

### Senior Presentation Requirements

Senior graphic design students are required to present a portfolio and senior students in the other emphasis areas are required to present an exhibition as degree requirements. These final presentation requirements are fulfilled in capstone courses; ART 4643 Advanced Graphics for students in the Graphic Design emphasis; and ART 4083 Senior Honors Research/ART 4093 Senior Honors Thesis for students in the other emphasis areas.

### Computer and Equipment Requirements in the Graphic Design and Photography Emphases

The Department of Art requires incoming (post review) B.F.A. Art majors with an emphasis in Graphic Design or Photography to purchase certain tools and equipment.

The Graphic Design emphasis student is required to purchase a computer after successfully passing the *Foundation Portfolio Review*, usually in the sophomore year, and before enrolling in ART 3313 Graphic Design I. Art faculty prepare an approved list of current software and minimum computer specifications each year.

The Photography emphasis student is required to purchase a camera and, in the digital photography option, a computer, usually in the sophomore year, and before enrolling in ART 4203 Photography II. Art faculty prepare an approved list of specific cameras and minimum computer specifications each year.

Financial aid that includes this requirement may be available by contacting the MSU Student Financial Aid and Scholarship office.

### Student Materials Fee

Additional fees associated with class materials, technology and laboratory materials are required of students. These range from \$10 to \$100 per course and are automatically included in tuition.

### Art Minor

A minor in art shall consist of ART 1123 Design I, ART 1213 Drawing I, ART 1223 Drawing II (or ART 1133 Design II), and at least nine (9) hours in art courses above the 2000 level.

### Accreditation

Mississippi State University is an accredited institutional member of the National Association of Schools of Art and Design.

### Graduate Studies

The Department also offers a Master of Fine Arts (MFA) degree in Electronic Visualization, with emphasis in either animation or multimedia.

### Bachelor of Fine Arts

#### University and College Core

English Composition (6 hours)  
EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I  
  
EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)  
CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication  
  
Foreign Language (12-14 hours)  
4 semesters one Foreign Language (see advisor)

## Humanities (6 hours)

3 hours Literature - See University CORE  
3 hours History - See University CORE

## Math (6 hours)

MA 1313 College Algebra  
3 hours See A&S Listing

## Fine Arts (3 hours)

3 hours see note\*

## Social Sciences (6 hours)\*\*

See A&S listing

## Natural Sciences (9-12 hours)

See major courses - Consult advisor for specifics

## Writing Requirement (3 hours)

ART 3603 Modern Art Writing (see Art History and Theory Program)

**Graphic Design Emphasis****Major Core****Foundation Program (18 hours)**

ART 1123 Design I  
ART 1133 Design II  
ART 1153 3-D Design  
ART 1213 Drawing I  
ART 1223 Drawing II

## Computer Literacy Requirement

ART 2803 Intro to Computing Art/Design

The Foundation Portfolio Review is required after successful completion of the Foundation Program.

**Survey Program (15 hours)**

ART 2013 Painting I  
ART 2213 Life Drawing I  
ART 2303 Printmaking I  
ART 2403 Sculpture I  
ART 3103 Photography I

**Art History and Theory Program (12 hours)**

ART 1003 The Idea of Art  
ART 1013 Art History I  
ART 1023 Art History II  
3 hours Art History Elective  
(ART 3603 Modern Art Writing - listed under University and College Core)

**Art Studio Program (18 hours)**

ART 3313 Graphic Design I  
ART 3323 Graphic Design II  
ART 3423 Color Photography I  
ART 4103 Typography I  
ART 4403 Advertising Design I  
ART 4643 Advanced Studio - Graphic Design

**Emphasis Studio Electives (15 hours)**

Must be selected from this list or by consent of Emphasis Director.

ART 3443 Illustration  
ART 3873 Digital Photography  
ART 4113 Typography II  
ART 4203 Photography II  
ART 4413 Advertising Design II  
ART 4523 Internship in Graphic Design  
ART 4813 Multimedia I  
ART 4833 Computer Animation I  
ART 4843 Computer Animation II  
ART 4863 Advanced Studio- Computer Art (Animation III)

**Art Studio Electives (12 hours)**

**Total hours needed for major: 143**

\* Art majors satisfy the fine art requirement by taking the following courses: ART 1013 and ART 1023.

\*\* Must be from 2 different areas and must be selected from University CORE. CO 1403 Intro to Mass Media recommended for Art majors.

**All Other Emphasis Areas****Major Core**

(Photography, Printmaking, Painting/Drawing, Sculpture, or Ceramics)

Student should check prerequisites for all courses. Consult advisor.

**Foundation Program (18 hours)**

ART 1123 Design I  
ART 1133 Design II  
ART 1153 3-D Design  
ART 1213 Drawing I  
ART 1223 Drawing II

## Computer Literacy Requirement

ART 2803 Intro to Computing Art/Design

**Survey Program (21 hours)**

ART 1303 Ceramic Art I  
ART 2013 Painting I  
ART 2213 Life Drawing I  
ART 2303 Printmaking I  
ART 2403 Sculpture I

ART 3103 Photography I

ART 3803 Gallery Management

**Art History and Theory Program (12 hours)**

ART 1003 The Idea of Art  
ART 1013 Art History I  
ART 1023 Art History II  
3 hours Art History Elective  
(ART 3603 Modern Art Writing - listed under University and College Core)

**Emphasis Program (27 hours)**

Approved Art studio courses in concentration area including capstone courses:

ART 4083 Senior Honors Research  
ART 4093 Senior Honors Thesis  
(Senior exhibit required.)

**Art Studio Electives (12 hours)**

**Total hours needed for major: 143**

**Department of BIOLOGICAL SCIENCES  
(BIO) (MDT) (MIC)**

The biological sciences encompass the three basic sub-disciplines of biology: botany, microbiology and zoology. The curricula of the major areas of concentration are designed to provide the student with a broad academic base while offering valuable practical experiences in laboratory and field situations.

The biology curriculum contains a nucleus of basic courses that present unifying principles, and advanced courses in either botany or zoology. Botany may be defined as a scientific study of plants. It is the basic science of all applied fields of work having to do with plants, such as agronomy, forestry, horticulture, plant breeding and plant pathology. Zoology is a basic science of all work having to do with animals such as taxonomy, ecology, physiology.

Microbiology is the study of living microscopic and submicroscopic organisms which are of importance to mankind. Majors in microbiology are prepared to work in food processing plants, plant or animal disease control agencies, pharmaceutical companies, quality control positions, the industrial fermentation industry, and basic research in cell and molecular biology.

Majors offered in the department are the B.S. in Biological Sciences, B.S. in Medical Technology, B.S. in Microbiology, M.S. in Biological Sciences, and the Ph.D. in Biological Sciences.

A senior research thesis in the biological sciences is available to outstanding students. A description of the program and application materials may be obtained from the department office.

**BIOLOGICAL SCIENCES (BIO)**

Curriculum (136 hours)

Major Advisors: Professor Walter Diehl; Office: 104 Harned Hall  
Associate Professor Giselle Thibaudeau; Office: 323 Harned Hall**University and College Core**

English Composition (6 hours)

EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp IEN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)

4 semesters one Foreign Language (see advisor)

Humanities (6 hours)

3 hours Literature  
3 hours History

Mathematics (6 hours)

MA 1313 College Algebra  
MA 1323 Trigonometry

Fine Arts (3 hours)

See A&amp;S Listing

Natural Sciences (9-12 hours)

See Major Core - Consult Advisor for specifics

Social Sciences (6 hours)

Must be from 2 different areas - see A&amp;S listing

**Major Core - Biology (20 hours)**BIO 1203 Plant Biology  
BIO 1504 Principles of Zoology  
BIO 3304 General Microbiology  
BIO 3103 Genetics I **or**  
BIO 4103 Exper Genetics  
BIO 2103 Cell Biology

Jr./Sr. Writing Requirement

BIO 3013 Writing for Biologist

Computer Literacy Requirement

3 hours See advisor

**Biology Area Courses - minimum 6 hours in each area**

(Three Biology area courses must include a laboratory.)

Molecules and Cells

BIO 4103 Exp Genetics (if not used in Core)  
BIO 4423 Immunology  
BIO 4433 Prin Virology  
BIO 4504 Embryology  
BIO 4503 Histology  
BCH 4603 General Biochemistry  
BCH 4613 General Biochemistry

Anatomy and Physiology

BIO 4204 Plant Anatomy  
BIO 4214 General Plant PhysiologyBIO 3504 Comparative Anatomy  
BIO 4514 Animal Physiology

Organisms (one animal and one plant recommended)

BIO 2203 Dendrology  
BIO 2213 Survey of Plant & Fungi  
BIO 3303 Parasitology  
BIO 4203 Taxonomy of Spermatophytes  
BIO 4223 Freshwater Algae  
BIO 3514 Invertebrate Zoology  
BIO 3524 Biology of Vertebrates  
BIO 4163 Bryology  
BIO 4513 Ichthyology  
BIO 4523 Mammalogy  
BIO 4543 Ornithology

Ecology and Evolution

BIO 3104 Ecology  
BIO 4113 Evolutionary Biology  
BIO 4213 Plant Ecology  
BIO 4533 Animal Behavior

Life Science Elective (10 hours)\*\* consult advisor

Physical Science &amp; Math Core (26 hours)

CH 1213 Fundamentals Chemistry  
CH 1223 Fundamentals Chemistry  
CH 1211 Invest Chemistry  
CH 1221 Invest Chemistry  
CH 4513 Organic Chemistry  
CH 4523 Organic Chemistry  
PH 1113 General Physics  
PH 1123 General Physics **or**  
PH 1133 General Physics  
MA 1313 College Algebra  
MA 1323 Trigonometry**Total hours need for major: 136**

NOTE: The following courses may not be used to meet the above science requirements: BIO 1053, BIO 1033/1001, BIO 1003, BIO 1023, BIO 1053, BIO 1004, BIO 2004, BIO 2014, VS 2014\*

\* Courses may be used if student receives both Vet and Bio Science Degree.  
\*\* Hours in excess of 24 hours from area courses may be deducted from elective hours. Life Science electives may be taken in other Departments but must be courses for respective "majors".

College and University CORE restrictions: The following courses may not be used to meet the above science requirements: BIO 1053, BIO 1033/1001, BIO 1003, BIO 1023, BIO 1053, BIO 1004, BIO 2004, BIO 2014, VS 2014

**Minor in Biological Sciences (28 hours)**CH 1213 Fundamentals Chemistry  
CH 1223 Fundamentals Chemistry  
CH 1211 Invest Chemistry  
CH 1221 Invest Chemistry  
17 hours Biology Core (less BIO 3013)  
4 hours One course from Area above**MICROBIOLOGY (MIC)**Major Advisors: Professor Frank Champlin; Office: 127 Harned Hall  
Professor Karen Coats; Office: 113 Harned Hall**B.S. Degree in Microbiology****University and College Core**

English Composition (6 hours)

EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp IEN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)

4 semesters one Foreign Language (see advisor)

Humanities (6 hours)

3 hours Literature - see A&S listing  
3 hours History - see A&S listing

Mathematics (9 hours)

MA 1313 College Algebra  
MA 1323 Trigonometry  
MA 1713 Calculus I

Fine Arts (3 hours)

See A&amp;S Listing

Natural Sciences

See Major Core - Consult Advisor for specifics

Social Sciences (6 hours)

Must be from 2 different areas

**Major Core**ST 3113 Intro to Statistical Inference  
BIO 3304 General Microbiology  
BIO 3404 Bacterial Cultivation  
BIO 4405 Pathogenic Microbiology  
BIO 4413 Immunology  
BIO 4433 Virology  
BIO 4443 Bacterial Genetics  
BIO 4442 Bacterial Genetics Lab  
BIO 4463 Bacterial Physiology  
6 hours Applied Microbiology Electives

Jr./Sr. Writing Requirement

BIO 3013 Writing for Biologist

Computer Literacy Requirement  
3 hours See advisor

BCH 4613 General Biochemistry  
General Electives

### Departmental Core

BIO 1203 Plant Biology  
BIO 1504 Prin Zoology  
BIO 2103 Cell Biology

Additional department requirements

CH 1213 Fundamentals Chemistry  
CH 1223 Fundamentals Chemistry  
CH 1211 Invest Chemistry  
CH 1221 Invest Chemistry  
CH 4513 Organic Chemistry  
CH 4523 Organic Chemistry  
CH 4511 Laboratory  
CH 4521 Laboratory  
PH 1113 General Physics  
PH 1123 General Physics **or**  
PH 1133 General Physics  
BCH 3613 Elementary Biochemistry **or**  
BCH 4603 General Biochemistry **or**

### Total hours needed for major: 136

Applied microbiology courses are strongly recommended, regardless of the department in which they are offered (for example, Food Micro, Environmental Micro, or Soil Micro). Upper division courses in MDT or BCH are also acceptable. BIO 2004 (Human Anatomy), and BIO 2014 (Human Physiology), BIO 3504 (Comparative Anatomy) and BIO 4502 (Toxicology) are also acceptable. Hours in excess of 6 will reduce the general electives requirement by an equal number. Students planning to attend professional schools should check with the faculty advisor for that program to identify additional courses that may be needed. Such courses can be taken for general elective credit.

For career track, BCH 3613 and 20 hours of general electives are required. For the pre-professional/graduate track, BCH 4603/4613 and 17 hours of general electives are required.

Students desiring a minor must take General Micro, Bacterial Cultivation, Pathogenic Micro, and elective microbiology courses to total no less than 19 total hours of microbiology course work.

\* These are representative subject-area requirements/recommendations for which other courses may qualify. See your advisor for details.

## MEDICAL TECHNOLOGY (MEDT)

Major Advisor: Associate Professor Carol Williams  
Office: 102 Harned Biology Building

Medical technologists are prepared for positions in hospital laboratories, clinics, research laboratories, the Public Health Service industry, and in various local, state and federal health organizations.

The medical technology curriculum leading to the Bachelor of Science degree from Mississippi State University includes three years of study at Mississippi State University and one year of study in a hospital School of Medical Technology accredited by the National Accrediting Agency for Clinical Laboratory Sciences. Admission to the hospital school is competitive. A student who has satisfactorily completed the three years on the campus and has gained admission to a hospital school will register for the hospital phase and will be considered to be enrolled at Mississippi State during the final year of study. Graduates are prepared for certification by several national agencies.

### B. S. in Medical Technology

#### University and College Core

English Composition (6 hours)  
EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I  
  
EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II  
Public Speaking (3 hours)  
CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication  
Foreign Language (12-14 hours)  
4 semesters one Foreign Language (see advisor)  
Humanities (6 hours)  
3 hours Literature - see A&S listing  
3 hours History - see A&S listing  
Mathematics (6 hours)  
MA 1313 College Algebra  
MA 1323 Trigonometry  
Fine Arts (3 hours)  
See A&S Listing  
Natural Sciences (9-12 hours)  
See Major Core - Consult Advisor for specifics  
Social Sciences (6 hours)  
Must be from 2 different areas - See University CORE  
Computer Literacy (3 hours)  
TKT 1273 Microcomputers in Education  
BIS 1013 Introduction to Business Computer Systems

#### Major Core

BIO 1504 Principles of Zoology  
BIO 1301 Perspectives in Med Tech  
BIO 3304 General Microbiology  
BIO 3303 Parasitology  
BIO 4304 Quantitative Methods I  
BIO 4405 Pathogenic Microbiology  
BIO 3013 Writing for Biologists\*  
BIO 4303 Bioinstrumentation  
BIO 4314 Quantitative Methods II  
BIO 4413 Immunology  
BIO 4618 Clinical Chemistry  
BIO 4614 Serology/Immunology  
BIO 4608 Hematology  
BIO 4602 Urinalysis  
BIO 4612 Special Topics  
BIO 4616 Immunohematology  
BIO 4606 Clinical Microbiology  
BCH 3613 Biochemistry  
CH 1213 Fundamentals of Chemistry  
CH 1211 Chemistry Lab  
CH 1223 Fundamentals of Chemistry  
CH 1221 Chemistry Lab  
CH 4513 Organic Chemistry  
CH 4523 Organic Chemistry  
10 hours General and Science Electives

### Total hours need for major: 144

\* Fulfills Jr./Sr. Writing Requirement.

(In affiliated hospital schools of Medical Technology, admission is on a competitive basis.)

### Program Consultants in Cooperating Hospitals

Mississippi State University maintains close contact with the teaching personnel in medical technology at a number of hospitals in the area. The following act as program consultants.

Gary Benson, MD, Director, Mississippi Baptist Medical Center, Jackson, MS 39202  
Jennifer Knight, MHS, CLS, MT, Program Director, Mississippi Baptist Medical Center, Jackson, MS 39202  
Ishak Enggano, MD, Director, North Mississippi Medical Center, Tupelo, MS 38801  
Lee Montgomery, MT(ASCP), Program Director, North Mississippi Medical Center, Tupelo, MS 38801  
David Head, MD, Director, Vanderbilt University, Nashville, TN 37235  
Maralie G. Exton, MT(ASCP), PhD, Program Coordinator, Vanderbilt University, Nashville, TN 37235  
James Williams, MD, Director, University of Southern Miss., Hattiesburg, MS  
Jane Hudson, MT (ASCP), Ph.D., Program Director, University of Southern Miss., Hattiesburg, MS.

## BROADCASTING

See Department of COMMUNICATION

**Department of CHEMISTRY (CH)**

Major Advisors: Professors Bill Wilson and David Wipf  
 Assistant Professor: John Young  
 118 Hand Chemical Laboratory

Chemistry is concerned with the properties and compositions of substances and the transformations which they undergo. Because chemistry is a basic science to many careers, three undergraduate degree programs are offered to provide the needed flexibility for majors. These degrees are the B.S. (ACS), B.S., and the B.A. degrees. A minimum of 136 hours is required for the B.S. degree and 128 hours for the B.A. degree. The department also offers the M.S. and the Ph.D. graduate degrees. Students in other majors may earn a minor in Chemistry by achieving at least a 2.00 average in a total of 22 hours of chemistry with 14 of the hours in upper-division courses and a minimum of 11 of the total hours completed at MSU.

The American Chemical Society (ACS) has continually approved the department and its curriculum since 1941, and awards a certificate to students who complete the B.S. (ACS) program. The B.S. (ACS) program is primarily intended as preparatory for graduate study in chemistry leading to a career in basic research. Graduates could also go directly into research and development positions in industry.

The B.S. (non ACS) program has more flexibility than the B.S. (ACS) program and the choices of electives are based upon the career choice. Chemistry advisors can help students choose the proper electives for different careers.

The B.A. degree program has a stronger liberal arts emphasis and could serve as a preparation for a secondary teaching career, chemical sales, or further study in a professional school.

**B.S. in Chemistry (A.C.S. Certification)****University and College Core**

English Composition (6 hours)

EN 1103 English Comp I **or**  
 EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
 EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
 CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)

4 semesters one Foreign Language (see advisor)

Humanities (6 hours)

3 hours Literature - see A&S listing  
 3 hours History - see A&S listing

Mathematics (6 hours)

MA 1713 Calculus I  
 MA 1723 Calculus II

Fine Arts (3 hours)

See A&S Listing

Natural Sciences (9-12 hours)

See Major Core - Consult Advisor for specifics

Social Sciences (6 hours)

Must be from 2 different areas and must be selected from University CORE

**Major Core**

Student should check for prerequisites for all courses. See advisor.

CH 1213 Fundamentals of Chemistry  
 CH 1211 Lab  
 CH 1223 Fundamentals of Chemistry  
 CH 1221 Lab  
 CH 2314 Quant Inorganic Analysis

CH 3213 Inorganic Chemistry  
 CH 4000 Directed Ind Study (3 hours)  
 CH 4212 Advanced Inorganic Lab  
 CH 4213 Advanced Inorganic Chemistry  
 CH 4351 Inst Analysis Lab  
 CH 4353 Instrumental Analysis  
 CH 4413 Physical Chemistry I  
 CH 4411 Lab  
 CH 4423 Physical Chemistry II  
 CH 4421 Lab  
 CH 4513 Organic Chemistry  
 CH 4511 Lab  
 CH 4523 Organic Chemistry  
 CH 4521 Lab  
 PH 2213 Physics I  
 PH 2223 Physics II  
 PH 2233 Physics III  
 PH 3613 Modern Physics  
 MA 2733 Calculus III  
 MA 2743 Calculus IV  
 MA 3253 Differential Equations  
 6 hours Chemistry Electives\*

Writing Requirement (3 hours)  
 CH 4103 Chemistry Lit

Computer Literacy (3 hours)  
 Consult Advisor

Technical Electives (6 hours)  
 Advisor approved courses

General Electives

Number of credit hours needed to bring the total number of Credit hours to 136. Consult advisor.

**Total hours needed for major: 136**

\* Advisor approved chemistry courses 3000-level and above.

**B.S. in Chemistry (without A.C.S. Certification)****University and College Core**

English Composition (6 hours)

EN 1103 English Comp I **or**  
 EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
 EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
 CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)

4 semesters one Foreign Language (see advisor)

Humanities (6 hours)

3 hours Literature - see A&S listing  
 3 hours History - see A&S listing

Mathematics (6 hours)

MA 1713 Calculus I  
 MA 1723 Calculus II

Fine Arts (3 hours)

See A&S Listing

Natural Sciences (9-12 hours)

See Major Core - Consult Advisor for specifics

Social Sciences (6 hours)

Must be from 2 different areas and must be selected from University CORE

**Major Core**

Student should check for prerequisites for all courses. See advisor.

CH 1213 Fundamentals of Chemistry  
 CH 1211 Lab  
 CH 1223 Fundamentals of Chemistry  
 CH 1221 Lab  
 CH 2314 Quant Inorganic Analysis  
 CH 4351 Inst Analysis Lab  
 CH 4353 Instrumental Analysis  
 CH 4404 Biophysical Chemistry **or**  
 CH 4413 Physical Chemistry I  
 CH 4411 Lab  
 CH 4513 Organic Chemistry  
 CH 4511 Lab  
 CH 4523 Organic Chemistry  
 CH 4521 Lab  
 11 hours Chemistry Electives\*  
 PH 2213 Physics I  
 PH 2223 Physics II  
 PH 2233 Physics III

Writing Requirement (3 hours)  
 CH 4103 Chemistry Lit

Computer Literacy (3 hours)  
Consult Advisor

Technical Electives (21 hours)  
Advisor approved courses

General Electives  
Number of credit hours needed to bring the total number of  
Credit hours to 136. Consult advisor.

**Total hours needed for major: 136**

\* Advisor approved chemistry courses 3000-level and above.

### B.S. in Chemistry Pre-Medical

#### University and College Core

English Composition (6 hours)  
EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)  
CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)  
4 semesters one Foreign Language (see advisor)

Humanities (6 hours)  
3 hours English Literature - see A&S listing  
3 hours History - see A&S listing

Mathematics (6 hours)  
MA 1713 Calculus I  
MA 1723 Calculus II

Fine Arts (3 hours)  
See A&S Listing

Natural Sciences (9-12 hours)  
See Major Core - Consult Advisor for specifics

Social Sciences (6 hours)  
PSY 1013 General Psychology  
3 hours chosen from A&S listing

#### Major Core

Student should check for prerequisites for all courses. See advisor.  
CH 1213 Fundamentals of Chemistry  
CH 1211 Lab  
CH 1223 Fundamentals of Chemistry

CH 1221 Lab  
CH 2314 Quant Inorganic Analysis  
CH 4353 Instrumental Analysis  
CH 4404 Biochemical Chemistry  
CH 4513 Organic Chemistry  
CH 4511 Lab  
CH 4523 Organic Chemistry  
CH 4521 Lab  
5 hours Chemistry Electives\*  
BCH 4603 General Biochemistry I  
BCH 4613 General Biochemistry II  
PH 2213 Physics I  
PH 2223 Physics II  
PH 2233 Physics III  
BIO 1504 Principles of Zoology  
BIO 3103 Genetics I  
BIO 3304 General Microbiology  
BIO 3504 Comparative Anatomy  
BIO 4504 Comparative Vertebrate Embryology

Writing Requirement (3 hours)  
CH 4103 Chemistry Lit

Computer Literacy (3 hours)  
Consult Advisor

Technical Elective (3 hours)  
Advisor approved course

General Electives  
Number of credit hours needed to bring the total number of  
Credit hours to 136. Consult advisor. (BIO 4514 & BIO 4413  
are recommended)

**Total hours needed for major: 136**

\* Advisor approved chemistry courses 3000-level and above.

### B.A. in Chemistry

#### University and College Core

English Composition (6 hours)  
EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)  
CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)  
4 semesters one Foreign Language (see advisor)

Humanities (15 hours)  
3 hours Literature - see University CORE  
3 hours History - see University CORE  
9 hours Electives (Must be from 2 different areas) See  
A&S Core Listing

Math  
MA 1313 College Algebra  
MA 1713 Calculus I

Fine Arts (3 hours)  
See A&S Listing

Natural Sciences (9-12 hours)  
See Major Core - Consult Advisor for specifics

Social Sciences (18 hours)  
6 hours See A&S listing  
12 hours Social Sciences Electives - See advisor\*

#### Major Core

Student should check for prerequisites for all courses. See advisor.  
MA 1723 Calculus II

CH 1213 Fundamentals of Chemistry  
CH 1211 Lab  
CH 1223 Fundamentals of Chemistry  
CH 1221 Lab  
CH 2314 Quant Inorganic Analysis  
CH 4353 Instrumental Analysis  
CH 4351 Instrumental Analysis Lab  
CH 4513 Organic Chemistry  
CH 4511 Lab  
CH 4523 Organic Chemistry  
CH 4521 Lab  
9 hours Chemistry Electives- See advisor\*\*  
PH 1113 General Physics I **or**  
PH 2213 Physics I  
PH 1123 General Physics II **or**  
PH 2223 Physics II  
PH 1133 General Physics III **or**  
PH 2233 Physics III

Writing Requirement (3 hours)  
CH 4103 Chemistry Lit

Computer Literacy (3 hours)  
Consult Advisor

General Electives  
Number of credit hours needed to bring the total number of  
Credit hours to 128. Consult advisor.

**Total hours needed for major: 128**

\* Must be from 2 different areas and must cross 4 disciplines over the 18 hours.  
Only one Economics allowed.

\*\* Advisor approved chemistry courses 3000-level and above

## Department of COMMUNICATION (CO)

Major Advisor: Ms. C. Anne Harris  
Office: 130 McComas Hall

The B.A. degree in Communication is offered. The department offers emphases in Broadcasting, Communication Studies, Journalism, Public Relations, and Theater. Minors are available in all areas. Contact specific advisors for additional information.

### BROADCASTING

The broadcast sequence prepares students for work in radio, television, and multi-media. Graduates work in front of and behind the camera, from anchorperson to camera technician. Broadcasting graduates also find jobs in extension service, university relations, and in government and industry.

### COMMUNICATION STUDIES

The career track for this area is aimed at positions in corporate and public communication offices. Students preparing for graduate school in Communication and other areas often choose the communication studies curriculum.

### JOURNALISM

In addition to occupying positions on newspapers, magazines, and web publication in the state and around the country, graduates of the journalism sequence obtain news-related jobs in university, business, and industrial relations.

### PUBLIC RELATIONS

The public relations sequence prepares students for a variety of professional positions. In addition to work with public relations and advertising agencies, graduates are employed by newspapers and broadcasting organizations, banks, churches, hospitals, insurance companies, charitable and political groups and state and federal governments.

### THEATER

Students emphasizing theater find positions with regional and repertory companies, with community theater both on stage and off stage, and other professional theater positions in educational institutions, broadcasting, and film.

### COMMUNICATION MINORS

A minor in each of the areas of communication (broadcasting, communication studies, journalism, public relations, and theatre) is available. Because of the differences between and among the disciplines of communication, students considering a minor are advised to meet with the department advisor, Ms. Anne Harris, prior to making a decision regarding a communication minor. The communication department endeavors to work with individual students so that the minor field combines appropriately with his/her major field of study. Students with majors in business, agriculture, social science and the humanities are especially encouraged to consider a minor in one the related communication areas.

### Awards and Professional Societies

Students in any of the areas of communication with superior averages after completing certain courses may qualify for membership in the Theta Alpha Chapter of Lambda Pe Eta, the official honor society of the National Communication Association. Students in theatre may be tapped for Alpha Psi Omega honorary after completing certain work in theatrical productions.

Professional societies are available for students in many of the emphasis areas. The Public Relations Student Society of America and the Public Relations Association of Mississippi provide pre-professional experience and contacts for students of public relations. Blackfriars is available to students of theatre. The Society of Professional Journalists serves students of journalism and broadcasting. The Student Broadcasting Association serves students in broadcasting emphasis; this group is directly involved in the production of several television programs. The communication student council, comprised of one officer and one representative of each student group, provides coordination and leadership within the departmental student body.

Numerous scholarships are available in the Department of Communication. The Phillips Scholarship, the Weems Scholarship, the Guyton Scholarship, the Turner Catledge Scholarships, and the Founders Scholarships are offered annually to outstanding communication majors. The Paul Mabry Scholarship is awarded annually to one or more promising theatre students. Applicants may pick up necessary forms in the department office or by contacting the Chair, Scholarship Committee, Drawer PF, Mississippi State, MS 39762. Students interested in the Mabry Scholarship should contact the coordinator or theatre at the same address.

### Programs of Study

Students who major in Communication select from several areas of emphasis: broadcasting, communication management, journalism, public relations, or theater. The total major consists of 45 semester hours in Communication courses: 12 hours of the departmental core; 15 hours of the professional core (which must be completed at Mississippi State University); and 18 hours of additional specified work in the area of emphasis. In addition, students complete the Arts & Sciences core curriculum and electives for a total of 128 semester hours leading to the B. A. Degree.

1. A minimum grade of C in all Communication courses (or approved substitutes) is required. Students earning a grade lower than C in a Communication course must retake that course.
2. Students should complete the departmental core with a minimum grade of C before enrolling in any CO course numbered 3000 or higher. The core consists of: CO 1003, CO 1223, CO 1403, and CO 1503.
3. Incoming freshmen must earn a score of 20 or higher on the ACT Enhanced English sub-scale before entering the major. Students who believe that ACT does not accurately assess their language ability **and** who can present evidence of above average language skills (excellent English grades, extensive writing samples, etc.) will be given the opportunity to satisfactorily complete a screening test and gain admission to the major.
4. No transfer student will be accepted who has not earned a minimum 2.0 GPA on all college work attempted prior to entering the major.

Prospective students are reminded that Communication is a language intensive discipline. Students with only minimal oral and written language competency should expect to be at a competitive disadvantage in classes as well as in careers after graduation. Transfer students with less than a C in English composition courses may have difficulty with the advanced writing courses required in this major.

### COMMUNICATION (CO)

#### University and College Core

English Composition (6 hours)

EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)

4 semesters one Foreign Language (see advisor)

Humanities (15 hours)

3 hours English Literature - see University CORE  
3 hours History - see University CORE  
9 hours Humanities Elective\*

Philosophy Elective (3 hours)

3 hours Elective - See A&S listing

Math (6 hours)

MA 1313 College Algebra  
MA 1323 Trigonometry **or**  
ST 2113 Statistics

Computer Literacy

3 hours See advisor

Fine Arts (3 hours)	
CO 1503	Intro to Theatre
Natural Sciences (9-12 hours)	
3-4 hours	Physical Science w/Lab**
3-4 hours	Biological Science w/Lab***
3-4 hours	Natural Science Elective****
Social Sciences (6 hours)	
PSY 1013	General Psychology
SO 1003	Intro to Sociology
Social Sciences Electives (12 hours)*+	
GR 1123	World Geography
6 hours	Electives*++

CO 1223	Intro Communication Theory
CO 1403	Intro Mass Media

- \* Must be selected from 2 different areas. Not required to be selected from core listing; may have to be taken at Upper Division level to meet 32 hours A&S UD requirement.
- \*\* CH, GG, or PH; see University CORE.
- \*\*\* BIO, EPP, or PO; see University CORE.
- \*\*\*\* Not required to be selected from core listing.
- \*+ Must be from 2 different areas and must cross 4 disciplines over the 18 hours. Not required to be selected from core listing; may have to be taken at Upper Division level to meet 32 hours A&S UD requirement. Only one Economics allowed.
- \*++ CO 1223 or CO 1403 will count as 3 additional Social Science hours to reach 12 hour elective total.

### Major Core

Student should check for prerequisites for all courses. Consult advisor or course descriptions in catalog.

### Choose one of the following concentrations:

#### Broadcasting Concentration

CO 1423	History
CO 2413	Newswriting
CO 2333	TV Production
CO 2313	Electronic Media <b>or</b>
CO 2343	Radio, TV, or Film Writing
CO 3833	Interviewing
CO 3333	Advanced TV Production
CO 4373	TV Practicum

CO 4313	Mass Media Law
CO 4323	Mass Media and Society
6 hours	Upper Division CO electives - see advisor
9-14 hours	General electives*

#### Total hours needed for major: 128

- \* May need to be taken at Upper Division level to meet A&S UD requirement.

#### Communication Studies Concentration

CO 2253	Interpersonal Communication
CO 2213	Small Group Communication
CO 4203	Nonverbal Communication
CO 4223	Advanced Comm Theory
CO 4253	Persuasion
CO 4243	Rhetorical Theory
CO 4323	Mass Media & Society <b>or</b>
CO 4313	Mass Media Law

CO 4213	Political Comm
12 hours	Upper Division CO Electives - see advisor
12 hours	General Electives*

#### Total hours needed for major: 128

- \* May need to be taken at Upper Division level to meet A&S UD requirement.

#### Journalism Concentration

CO1423	History of the Mass Media
CO 2413	Newswriting
CO 2423	News Editing
CO 3403	Photography
CO 3423	Feature Writing
CO 4313	Mass Media Law
CO 3443	Advanced Newswriting

CO 4403	Journalism Ethics
9 hours	Upper Division CO Electives - see advisor
9-14 hours	General Electives*

#### Total hours needed for major: 128

- \* May need to be taken at Upper Division level to meet A&S UD requirement.

#### Public Relations Concentration

CO 3803	Prin of Public Relations
CO 2413	Newswriting
CO 2213	Small Group Communication
CO 2333	TV Production <b>or</b>
CO 3403	Photography
CO 2343	Writing for Radio, TV & Film <b>or</b>
CO 3423	Feature Writing <b>or</b>
CO 2313	Newswriting for Electronic Media
CO 3833	Interviewing
CO 3813	Public Relations Case Problems

CO 3823	Public Relations Copy & Layout
CO 4813	Public Relations in Organizations
CO 4253	Persuasion
CO 4313	Mass Media Law <b>or</b>
CO 4323	Mass Media & Society
9-14 hours	General Electives*

#### Total hours needed for major: 128

- \* May need to be taken at Upper Division level to meet A&S UD requirement.

#### Theatre Concentration

CO 2013	Voice & Articulation
CO 2613	Oral Interpretation
CO 2503	Acting
CO 2524	Stagecraft & Lighting
CO 4504	History of Theatre
CO 2544	Makeup & Costume
CO 4524	Directing
CO 4573	Theatre Management

CO 4533	Advanced Acting
CO 4583	Playwriting
CO 1523	Practicum
5-10 hours	General Electives*

#### Total hours needed for major: 128

- \* May need to be taken at Upper Division level to meet A&S UD requirement.

## CRIMINAL JUSTICE and CORRECTIONS (COR)

See Department of SOCIOLOGY, ANTHROPOLOGY, and SOCIAL WORK

## ECONOMICS (EC)

Major Advisor: Charles Campbell; Office: 326 McCool Hall  
Minor Advisor: Meghan Millea; Office: 321 McCool Hall

Economics is the scientific study of how people and institutions make choices concerning the use of society's scarce resources. It is a broad social science that shares common interests with both the behavioral sciences (e.g. sociology and psychology) and the decision sciences (e.g. finance and management). The importance of economic analysis is recognized by being the only social science in which a Nobel Prize is awarded. Economics students receive training in the methods and uses of economic analysis as applied to households, businesses, and governments.

The study of economics offers students many career options. Economics majors are found pursuing careers in industry, trade, finance, law, government, and education. An economics major or minor also helps prepare the student for graduate professional training in business, public administration,

and law. The flexibility of the economics major is reflected in relatively high starting salaries and lifetime earnings of economists. Undergraduates at Mississippi State may pursue an economics major through either the College of Arts and Sciences (B.A. degree) as described below or through the College of Business and Industry (B.B.A. degree). The business program in economics is described later in this Bulletin.

### Economics Major

Students seeking the B.A. with a major in economics are required to complete all College of Arts and Sciences and University common and core requirements. Majors take the following mathematics sequence: MA 1313 College Algebra, MA 1613 Calculus for Business and Life Sciences I (MA 1713 Calculus I may be substituted), and ST 2113 Statistics for the Behavioral Sciences. Economics majors are required to take the Principles of Economics course sequence (EC 2113 and EC 2123), the Intermediate Economics course sequence (EC 3113 and EC 3123) and 15 hours of advanced electives. Elective courses should be chosen with the advisor's approval and used to enhance the student's overall program. Although not required, economics majors may elect to pursue a minor in another discipline with the advisor's approval.

### Economics Minor

A minor in economics is attained by selecting, in consultation with the economics minor advisor, at least fifteen hours of economics course work. Three hours of courses from finance (FIN) or agricultural economics (AEC) may be applied to the economics minor with approval from the advisor. All economics minors must register with the economics minor advisor in the Department of Finance and Economics, 326 McCool Hall. Students with majors in business, engineering, agriculture, the social sciences, mathematics, and pre-law are especially encouraged to consider the economics minor.

### Advising and Honors Organization

Academic advising and career counseling are available from the economics faculty for both majors and minors. Students interested in the study of economics should contact the Department of Finance and Economics, 326 McCool Hall. Any student who completes 12 credit hours of economics with at least a 3.0 GPA and has an overall GPA of 3.0 or higher is eligible for membership in Omicron Delta Epsilon, the international honor society in economics.

### ECONOMICS (EC)

#### University and College Core

English Composition (6 hours)

EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)

4 semesters one Foreign Language (see advisor)

Humanities (15 hours)

3 hours Literature - see University CORE  
3 hours History - see University CORE  
9 hours Humanities Elective\*

Philosophy Elective (3 hours)

3 hours Elective

Math (6 hours)

MA 1613 Cal for Bus Life Sci I  
ST 2113 Stats for Beh Sci

Fine Arts (3 hours)

3 hours See A&S Core Listing

Natural Sciences (9-12 hours)

3-4 hours Physical Science w/Lab\*\*  
3-4 hours Biological Science w/Lab\*\*\*  
3-4 hours Natural Science Elective\*\*\*\*

Social Sciences (6 hours)

PS 1113 American Government  
3 hours Met in major requirement

Social Science Electives (12 hours)#

AN 1103 Intro to Anthropology  
PSY 1013 General Psychology  
PS 1513 Comparative Government  
SO 1003 Intro to Sociology

#### Major Core

EC 2113 Prin of Macroeconomics  
EC 2123 Prin of Microeconomics  
EC 3113 Intermed Macroeconomics  
EC 3123 Intermed Microeconomics  
15 hours EC Upper Division Electives

Writing Requirement (3 hours)

Met in major requirement

Computer Literacy

3 hours See advisor

General Electives (21 hours) See advisor

**Total hours needed for major: 128**

(32 hours must be 3000/4000 from A&S)

\* Must be selected from 2 different areas. Not required to be selected from core listing; may have to be taken at Upper Division level to meet 32 hours A&S UD requirement.

\*\* CH, GG, or PH; see University CORE.

\*\*\* BIO, EPP, or PO; see University CORE.

\*\*\*\* Consult advisor.

# Must be from 2 different areas and must cross 4 disciplines over the 18 hours. Only one Economics allowed. See advisor.

### Department of ENGLISH (EN)

Department Head: Associate Professor Matt Little  
Office: 316 Lee Hall

The study of English not only gives students knowledge of language and literature but also helps to develop their ability to read perceptively, think critically, analyze problems, and write correctly and persuasively. For this reason, a major in English has traditionally been viewed as good training for careers in law, government, business, and publishing, as well as for careers in teaching and writing.

The department offers an undergraduate major (B.A.), a minor in English, and an M.A.

The Department of English awards several scholarships annually: the Howell H. Gwin Scholarships to an outstanding junior majoring in English and to two entering graduate students in English; the George B. Nutt Scholarship to a freshman declaring an English major or to a sophomore or junior English major; the William H. Magruder Scholarship to an upper-division or graduate English major; and the Eugene Butler Creative Writing Scholarship to an undergraduate or graduate student. The Department of English sponsors Xi Kappa Chapter of Sigma Tau Delta National English Honor Society; memberships are offered by invitation to scholastically qualified junior and senior undergraduate students and to second-year graduate students who are English majors. The Department of English also sponsors a writing contest and a book-collecting contest and publishes annually *Winning Essays*, a collection of prize-winning freshman themes, and *The Jabberwock Review*, a student-edited collection of literature and art.

In addition to two semesters of freshman composition, which the department recommends be taken at the 1163/73 level or above, English majors take EN 2213, 2223, 3363 (or 2243 and 2253), 3413, and at least 21 additional hours of English electives, of which 15 hours must be at the 4000 level. English electives include courses satisfying the following group requirements:

Group I (one course): EN 4503, 4513, 4523, 4533, 4703, 4713

Group II (one course): EN 4643, 4653, 4723, 4733, 4863, 4883

Group III (two courses): EN 4333, 4343, 4903, 4913, 4923, 4933

Group IV (one additional course): to be taken from either Group I or Group II

No more than one experimental course may be counted toward fulfillment of the English elective requirements. For students who have taken EN 1163, EN 2203 does not count toward fulfillment of the English elective requirements.

English majors should take HI 3743, History of England, in fulfilling the Arts and Sciences B.A. common curriculum requirements.

1. English majors must maintain at least a 2.5 QPA in all upper-division English courses. Students who fall below a 2.5 QPA must bring it up to 2.5 the next semester or drop the English major.
2. English majors must attain a C or better in all English courses at the 2000 level or above in order for those courses to count toward the requirements of the major.
3. English majors must take 15 hours at the 4000 level in residence at MSU.

Students seeking secondary-school teaching certification should consult with an English advisor.

English **minors** take at least 18 hours of English electives beyond completion of the freshman composition requirement of their major. Of these hours, at least six must be at the 4000 level, and taken in residence. Students should consult the English major advisor to plan a minor program which will complement their major studies and career interests.

### ENGLISH (EN)

#### University and College Core

English Composition (6 hours)

- EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

- EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

- CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)

4 semesters one Foreign Language (see advisor)

Humanities (6 hours)

- 3 hours Literature - see Major Core  
HI 3743 History of England  
HI 1063 Early U.S. History **or**  
HI 1163 World History Before 1500 **or**  
HI 1213 Early Western World

Philosophy Elective (3 hours)

3 hours see advisor

Humanities Electives (9 hours)

- 3 hours Literature - see Major Core  
HI 1073 Modern U.S. History **or**  
HI 1173 World History Since 1500 **or**  
HI 1223 Modern Western World

Math (6 hours)

- MA 1313 College Algebra  
3 hours above College Algebra

Fine Arts (3 hours)

3 hours See A&S listing

Natural Sciences (9-12 hours)

- 3-4 hours Physical Science w/Lab\*  
3-4 hours Biological Science w/Lab\*\*

3-4 hours Natural Science Elective\*\*\*

Social Sciences (18 hours)

- 6 hours see A&S Listing  
12 hours Social Sciences Electives\*\*\*\*

#### Major Core

- EN 2213 English Literature I  
EN 2223 English Literature II  
EN 3363 American Literary History **or**  
EN 2243 American Literature I *and*  
EN 2253 American Literature II  
3 hours Pre-1660 English Lit Elective  
3 hours Post-1660 English Lit Elective  
3 hours American Lit Elective  
3 hours American or contemporary Lit Elective  
3 hours English Lit Elective  
6 hours EN Electives

Jr.-Level Writing Requirement (3 hours)

- EN 3413 Advanced Composition

Computer Literacy (3 hours)

Consult advisor

General Electives (21 hours)

Consult advisor

#### Total hours needed for major: 128

(Must maintain a 2.5 GPA in upper-division English courses. Must make a grade of C or higher in all upper-division English courses. Must complete 32 upper division A&S hours. Must take 15 hours at the 4000 level in residence.)

\* CH, GG, or PH; see University CORE.

\*\* BIO, EPP, or PO; see University CORE.

\*\*\* Consult advisor.

\*\*\*\* Must be from 2 different areas and must cross 4 disciplines over the 18 hours. Only one Economics allowed. See advisor.

### Department of FOREIGN LANGUAGES (FL)

Major Advisor: Professor Edmond Emplaincourt (Head)

Associate Professor Robbins-Herring

Office: 300 Lee Hall I

Foreign language majors prepare for careers in government (State Department, foreign service, diplomatic corps, FBI, CIA, USIA, the military, immigration, etc), international business, the human services fields, teaching at all levels (secondary school, junior college, university), and other language-related jobs.

Programs of study leading to the Bachelor of Arts (B.A.), the joint Bachelor of Arts and Bachelor of Business Administration, and the Master of Arts (M.A.) in Foreign Languages are offered. A minor in one foreign language may be obtained upon satisfactory completion of 10 semester hours beyond the intermediate (III and IV) level courses. Education students desiring teacher certification must earn at least 27 semester hours in the language they plan to teach.

The Department sponsors three honor societies: Pi Delta Phi (French), Delta Phi Alpha (German), and Sigma Delta Pi (Spanish). Information about membership requirements may be obtained from the Head of the Department. The Department also sponsors language clubs which provide social and cultural activities for faculty and students.

The Bachelor of Arts in Foreign Languages is awarded upon the successful completion of a minimum of 128 semester hours, including the following areas: (The hours needed for graduation will depend upon the entry level of study into the major language; a minimum of six courses in the primary language at the 3000-level, or higher, is required.)

1. University CORE Requirements
2. Bachelor of Arts Common Requirements
3. FL 3203, FL 3313, FL 4013, or approved substitute(s).
4. 30 semester hours in the primary language (French, German, Latin, Russian, Spanish). The normal sequence is FLF/G/S I, II, III, IV, Advanced FLF/G/S I, Advanced FLF/G/S II, Survey FLF/G/S I, Survey FLF/G/S II, and 6 hours of upper-division electives in the primary language. A civilization course related to the primary language is strongly recommended.
5. Completion of the fourth semester course of a second foreign language (12-14 semester credit hours) is recommended.

Foreign Language majors interested in following this recommended course of study should notify the Department Head as soon as possible, so that a plan of study can be developed in which courses are taken in proper sequence.

#### B.A. in Foreign Languages

#### University and College Core

English Composition (6 hours)

- EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

- EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

- CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)  
4 semesters one Foreign Language (see advisor)

Humanities (6 hours)  
3 hours Literature - see University CORE  
3 hours History - see University CORE

Philosophy Elective (3 hours)  
3 hours See advisor

Humanities Electives (9 hours)\*

Math (6 hours)  
MA 1313 College Algebra  
MA 1323 Trigonometry **or**  
ST 2113 Stats for Beh Sci **or** higher math

Fine Arts (3 hours)  
See A&S Core listing

Natural Sciences (9-12)  
3-4 hours Physical Science w/Lab\*\*  
3-4 hours Biological Science w/Lab\*\*\*  
3-4 hours Natural Science Elective\*\*\*\*

Social Sciences (6 hours)  
See A&S Listing

Social Sciences Electives (12 hours)\*+

#### Major Core

FL 1114 Foreign Language I

FL 1124 Foreign Language II  
FL 2133 Foreign Language III  
FL 2143 Foreign Language IV  
FLF/FLG 3114 **or** FLS 3111 & FLS 3113  
FLF/FLG 3124 **or** FLS 3121 & FLS 3233  
FL 3203 Intro to Hist and Appl Linguistics\*+ +  
FL 4013 Major Themes of Movements\*+ +  
FLF/FLG/FLS 3513  
FLF/FLG/FLS 3523  
Second Language 2133 - recommended  
Second Language 2143 - recommended

Writing Requirement  
FL 3313 Composition

Computer Literacy (3 hours)  
Consult advisor

General Elective (3 hours)  
Consult advisor

#### Total hours needed for major: 128

\* Must be from 2 different area. See A&S Core listing.

\*\* CH, GG, or PH; see University CORE.

\*\*\* BIO, EPP, or PO; see University CORE.

\*\*\*\* Consult advisor.

+ + Must be from 2 different areas and must cross 4 disciplines over the 18 hours.  
Only one Economics allowed. See advisor.

\*+ + Consult advisor for substitute.

### International Business Program A Five-Year Double Degree Program: B.A. in Foreign Languages & B.B.A. in General Business Administration

John O. Lox, Director  
International Business Academic Program Office  
355-356 McCool Hall

Major Advisors, Business Administration:  
Professors Capella and Taylor; Associate Professor Addy; Assistant Professor Rezk  
Major Advisors, Foreign Languages:  
Professor Emplaincourt; Associate Professors Jordan and Robbins-Herring;  
Assistant Professors Lestrade and Rice  
300 Lee Hall

The International Business Program provides students an academic background and work experience to help ensure success in the marketplace. Students receive a double degree at graduation reflecting the dual concentration in Arts & Sciences: B.A. (language and cultural proficiency); and in Business: B.B.A. (with an international focus + a specific discipline like Marketing or Finance). This is in addition to the first two years of study developing abilities in writing, math, sciences, and computer literacy.

The hallmark of this program is a work internship, an outside the country work experience of a full summer or one semester duration (generally taken the last of the 4th year or beginning of the 5th year). This work is ideally reflective of the student's specific business discipline and language proficiency area. The student who selects to separate the work and abroad experience must petition the IB committee for approval. Minimum acceptable levels are 1). WORK: 10 continuous weeks of international tasks and responsibilities, 2) ABROAD: 6 continuous weeks in one location for cultural immersion. An International Business Co-Op Work program offers 3 semesters paid international work experience in concert with pursuing the academic degrees.

The total number of semester credit hours (SCH) will be 154 for most students. The program has five main components:

1. a core of basic skills, including courses in writing, mathematics, sciences, and communication (30 SCH, or 10 courses);
2. a core of humanities and social science courses selected to fit the special needs of international business majors, emphasizing both the history and culture of other societies and the ways these societies relate to our own (27 SCH, or 9 courses);
3. intensive training to develop proficiency in one foreign language and its associated cultures and literatures (37 SCH or 11 courses);
4. a thorough grounding in business techniques and practices, including 33 SCH of general business courses, 12 SCH of International Business courses, and 12 SCH in one of six functional/discipline emphases in business (accounting, banking and finance, management information systems, economics, management, marketing\*, or risk management, insurance and financial planning\*) (57 SCH, or 19 courses);
5. a one-semester internship program with an international business (3 SCH).

Students interested in following this recommended course of study should notify the Department Head of Foreign Languages and the Director of International Business Academic Programs. Students must have the Director's written approval to join the International Business Program. Students must meet all graduation requirements for the College of Business and Industry and the College of Arts & Sciences. This includes having no more than 2 Ds in upper level courses or in upper level Foreign Language courses. In excess of two Ds will require course(s) to be repeated with a grade of C or better. International Business students must have an overall and previous semester GPA of 2.5 to be eligible for internship and study abroad.

\* Information Systems, Insurance & Marketing functional emphasis areas will need an additional 3 credits in their program

#### International Business

##### University and College Core

English Composition (6 hours)

EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Mathematics (6 hours)

MA 1313 College Algebra  
MA 1613 Calculus for Business and Life Sciences I

Science (6 hours)

Life Science and Lab (BIO prefix)

Physical Science and Lab (CH, GG, OR PH prefix)

Math/Science Elective (3 hours)

ST 2113 Statistics for the Beh Sciences **or**  
ST 3113 Intro to Statistical Inferences

Humanities (6 hours)

EN 2273 World Literature I **or**  
EN 2283 World Literature II  
HI 1173 World History Since 1500 **or**  
HI 1223 Modern Western World

Fine Arts (3 hours)

Choose from the following:  
ARC 1013 Architectural Appreciation  
ARC 2313 History of Architecture I  
ART 1013 Art History I  
ART 1023 Art History II

ART 1113 Art Appreciation  
 ART 3143 Italian Renaissance Art History  
 MU 1113 History and Appreciation of Music  
 CO 1053 Introduction to Theatre  
 PE 1123 History and Appreciation of Dance

Social/Behavioral Sciences (6 hours)  
 GR 1123 Introduction to World Geography  
 AN 1143 Introduction to Cultural Anthropology

#### College of Arts and Sciences Core

PHI 3013 Business Ethics  
 PS 1313 Intro to International Relations **or**  
 PS 1513 Comparative Government  
 HI 3000+ Upper-level History Elective (see advisor)  
 SO 3000+ Upper-level Social Science Elective (see advisor)  
 FLF/G/S 1114 French/German/Spanish I  
 FLF/G/S 1124 French/German/Spanish II  
 FLF/G/S 2133 French/German/Spanish III  
 FLF/G/S 2143 French/German/Spanish IV  
 FLF/G/S 3114 **or** FLS 3113 & 3111 Advanced Foreign Lang I  
 FLF/G/S 3124 **or** FLS 3233 & 3121 Advanced Foreign Lang II  
 FLF/G/S 3143 Civilization  
 FLF/G/S 3313 Business French/German/Spanish I  
 FLF/G/S 3323 Business French/German/Spanish II  
 FLF/G/S 3523 Sur of French/German/Spanish Lit  
 Foreign Language Elective - (see FL advisor for options)

#### College of Business and Industry Core

ACC 2013 Principles of Financial Accounting  
 ACC 2023 Principles of Managerial Accounting  
 EC 2113 Principles of Macroeconomics  
 EC 2123 Principles of Microeconomics  
 BL 2413 Legal Environment of Business  
 BIS 3233 Intro to Management Info Systems  
 FIN 3123 Financial Management  
 MKT 3013 Principles of Marketing  
 MGT 3114 Principles of Management and Production

GB 4853 Business Policy  
 Computer Literacy Requirement  
 BIS 1013 Intro to Business Computer Systems **or**  
 CSE 1013 Basic Computer Concepts and Apps

Jr./Sr. Writing Requirement  
 MGT 3213 Organizational Communications

#### Major Core

International Business Electives- 9-12 hours  
 ACC 4053 International Accounting  
 BL 4273 International Business Law  
 EC 3513 Economic Systems of the World  
 EC 4323 International Economic Relations  
 FIN 4923 International Financial Management  
 IB 3913 Principles of International Business  
 IB 3933 International Marketing  
 MGT 4613 Cross Cultural Management  
 3 hours Transportation Course - See advisor  
 (BIS & INS majors must select 12 hours from the above list; all others must select 9 hours.)

#### Business Functional Emphasis

15 hours Major Electives (Choose from ACC, BIS, EC, FIN, MGT, MKT, or INS) See Business Advisor for Options.  
 IB 3900 Internship Work  
 IB 4903 Internship Work/ Academic Report  
 2 hours Free Electives

**Total hours needed for major: 154**

(Must have 32 upper division A&S hours)

\* To be selected with the advice and approval of advisor

### GENERAL LIBERAL ARTS (GLA)

Advisor: Mark Goodman  
 Office: 106 McComas

Students who prefer to specialize in more than one field of study may earn a B.A. degree in General Liberal Arts. Requirements for this degree include all of the following: satisfactory completion of the University and College Core curriculum; satisfactory completion of the College of Arts and Sciences B.A. requirements; approval of the proposed G.L.A. program; satisfactory completion of twelve hours of upper-division courses (courses numbered 3000 and above) in each of three fields of study. The three fields may all be within the College of Arts and Sciences, or one of the three may be within another school/college of the University if that field is related to the student's educational or career goals. To insure an orderly progression of work toward the degree, interested students should meet with the program's advisor as early as possible. Furthermore, admittance into the program requires a GPA of at least 2.5 and the approval of the GLA Committee and the Associate Dean of the College of Arts and Sciences. General Liberal Arts is not suitable for students who are uncertain about their choice of a major; these students should see the Undecided listing in this section.

#### University and College Core

English Composition (6 hours)  
 EN 1103 English Comp I **or**  
 EN 1163 Accelerated Comp I  
 EN 1113 English Comp II **or**  
 EN 1173 Accelerated Comp II  
 Public Speaking (3 hours)  
 CO 1003 Fundamentals of Public Speaking **or**  
 CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)  
 4 semesters one Foreign Language (see advisor)

Humanities (6 hours)  
 3 hours Literature - see Major Core  
 3 hours History - see A&S listing

Philosophy Elective (3 hours)  
 3 hours see advisor

Humanities Electives (9 hours)  
 Consult advisor

Math (6 hours)

MA 1313 College Algebra  
 3 hours Above College Algebra

Fine Arts (3 hours)  
 3 hours See A&S listing

Natural Sciences (9-12 hours)  
 3-4 hours Physical Science w/Lab\*  
 3-4 hours Biological Science w/Lab\*\*  
 3-4 hours Natural Science Elective\*\*\*

Social Sciences (18 hours)  
 6 hours See A&S Listing  
 12 hours Social Sciences Electives\*\*\*\*

#### Major Core

Students must choose 3 areas with 12 upper division hours in each area. Consult advisor.

**Total hours needed for major: 128**

\* CH, GG, or PH; see University CORE.

\*\* BIO, EPP, or PO; see University CORE.

\*\*\* Consult advisor.

\*\*\*\* Must be from 2 different areas and must cross 4 disciplines over the 18 hours. Only one Economics allowed. See advisor.

### GENERAL SCIENCE (GSC)

Major Advisor: Professor Christopher P. Dewey  
 Office: 210 Hilbun Hall

For various reasons, a student may not require the intensive preparation that is typical of a professional curriculum. The general science curriculum is tailored for his/her needs. Flexibility is the key characteristic of the curriculum. The general science program is designed to give students a broad general education and at the same time teach them the fundamentals of science. By judiciously choosing his/her course of study, a student may use the general science curriculum in many ways. For example, by concentrating on biological science or chemistry the student may prepare for medical or dental school, and with appropriate choice of electives preparation for clinical and other laboratory positions in such fields as public health and marine biology is possible.

If the student is interested in interdisciplinary studies related to environmental science, the general science curriculum is suitable. Any one of the physical or biological sciences may be emphasized. The curriculum, however, involves courses from several sciences, and from other fields concerned with

the environment. Persons trained in this option should be in demand in federal, state, and local governmental agencies, and in industries involved with earth resources.

Successful completion of the University and curriculum requirements will result in the awarding of a B.S. degree in General Science.

The following specific requirements apply to all general science students:

1. The B.S. Common Curriculum must be satisfied.
2. A minimum of 60 credit hours in science, of which at least 30 must be in one science, is required.
3. Normally, science courses must include: BIO 1504, BIO 3103, CH 1213 & 2211, CH 1223 & 2221, CH 4513 & 4511, CH 4523 & 4521, PH 1113, & PH 1123, GG 1113 & GG 1111.
4. Electives must be approved by the faculty advisor.
5. A total of 136 credit hours is required.

#### University and College Core

English Composition (6 hours)  
 EN 1103 English Comp I **or**  
 EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
 EN 1173 Accelerated Comp II

Public Speaking (3 hours)  
 CO 1003 Fundamentals of Public Speaking **or**  
 CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)  
 4 semesters one Foreign Language (see advisor)

Humanities (6 hours)  
 3 hours Literature - see University CORE  
 3 hours History - see University CORE

Mathematics (6 hours)  
 MA 1313 College Algebra  
 3 hours MA course above College Algebra

Fine Arts (3 hours)  
 See A&S listing

Natural Sciences (9-12 hours)  
 See major courses - consult advisor for specifics

Social Sciences (6 hours)\*  
 See A&S listing

#### Major Core

Student should check for prerequisites for all courses. Consult advisor. Minimum of 60 hours in science, of which at least 30 must be in one science.

GG 1113 Earth Science I  
 GG 1111 Earth Science I Lab  
 CH 1211 Chemistry Lab  
 CH 1213 Fund of Chemistry  
 CH 1221 Chemistry Lab  
 CH 1223 Fund of Chemistry  
 CH 4511 Organic Chemistry Lab  
 CH 4513 Organic Chemistry  
 CH 4521 Organic Chemistry Lab  
 CH 4523 Organic Chemistry  
 PH 1113 General Physics I  
 PH 1123 General Physics II  
 BIO 1504 Prin of Zoology  
 BIO 3103 Genetics

Writing Requirement (3 hours)  
 Consult advisor

Computer Literacy (3 hours)  
 Consult advisor

General Electives (17 hours) Consult Advisor

#### Total hours needed for major: 136

(32 hours must be A&S upper division)

\* Must be from 2 different areas and must be selected from University CORE list.

## Department of GEOSCIENCES

Professors: Binkley, Mylroie, Schmitz, and Wax;  
 Associate Professors: Dewey and Panuska;  
 Assistant Professors: Brown, Cooke, Lynch, Mack, and Rodgers  
 Instructors: Cartwright, Craven, Gilbert, Gillham, Gustin, Haby, Harris, Meloche,  
 Miller, Joan Mylorie, Ruffin, Sherman-Morris, and Verno  
 Office: 109 Hilburn

B.S. and M.S. degrees in Geoscience are offered with emphasis in sub-disciplines described below. Minors are offered at both B.S. and M.S. levels in Geoscience.

The Department of Geosciences strives for an integrated, interdisciplinary study of the whole Earth at both the bachelor and master of science levels. Course offerings are grouped into five areas of emphasis: 1) Geology - physical, biological, and chemical aspects of the Earth; 2) Geography - distribution of physical features and human interaction with the Earth; 3) Environmental Geoscience - conservation and management of Earth resources and remediation of natural and human hazards; 4) Broadcast Meteorology/Climatology - radio/television weathercasting; and 5) Operational Meteorology/Climatology - atmospheric processes and climatic variability. A general program of study is built upon a foundation of natural and social sciences, humanities, and computer applications. The Geoscience curriculum provides fundamental training for future employment in the petroleum and environmental industries; education; state and federal government agencies; environmental consulting; meteorological/climatological consulting; weathercasting on radio and television; and advanced studies in graduate school.

Within the five areas of emphasis outlined above, a student may further focus interests in a variety of areas including: water resources, hydrogeology and environmental clean-up and monitoring, petroleum exploration and services, construction and urbanization involving geological applications, geophysics and geochemistry, sedimentary geology and paleontology, Quaternary geology and karst processes, paleomagnetism, Geographic Information Systems or analysis and prediction of weather and climate. A minimum of 40 credit hours in geoscience courses is required for the geoscience degree. Students in the professional geology concentration are required to take the Association of State Board of Geologists (Fundamentals of Geology) exam.

A minor in geoscience consists of a minimum of 14 credit hours in courses numbered 2000 and above, in addition to the first year courses. The following are examples of variations within a geoscience minor. A minor with a Geology emphasis should include physical (GG 1113/1111) and historical geology (GG 1123/1121) plus 14 hours 2000 and above for a total of 22 hours; for an Environmental Geoscience emphasis, physical and historical geology with laboratory plus introduction to environmental geology (GG 3133) and other course work 2000 and above for a total of 22 hours; for emphasis in Geography and Broadcast Meteorology/climatology, physical geography (GR 1114) and either introduction to environmental geology (GG 3133) or conservation of natural resources (GR 3113) and other course work 2000 and above for a total of 21 hours. Minors in Geoscience are also available at the M.S. level.

Three scholarships are available to students majoring in Geoscience, namely the FF Mellen, the Gordon W. Gulmon, and the Dunn Memorial Scholarships. The Mellen Scholarship provides financial assistance to those enrolled in field geology camp during the summer. The Gulmon and the Dunn Memorial Scholarships are awarded to students for academic excellence. All are restricted to students at junior or senior rank.

The Department of Geosciences encourages involvement in Sigma Gamma Epsilon, a nationally recognized honorary Earth Science society. Requirements for acceptance include a grade-point average of at least 3.00 in 12 or more hours of geoscience and a cumulative average of 2.67.

The Department of Geosciences participates with the National Weather Association (NWA) and the American Meteorological Society (AMS) in training individuals for the respective "Weathercaster Seals of Approval". The Office of the State Climatologist and the MSU Climatological Laboratory are housed in the Department and are strongly involved in programs for all students with interests in broadcast meteorology and climatology.

**DISTANCE LEARNING PROGRAMS**

The Department of Geosciences offers three distance learning programs listed below. Each program utilizes DVDs and the Internet for course instruction.

**Broadcast Meteorology Program.** A three-year, 17 course, 52 credit hour program of study that can lead to a B.S. degree in Geosciences. Primarily for individuals in television weather.

**Operational Meteorology Program.** A three-year, 17 course, 52 credit hour program of study that can lead to a B.S. degree in Geosciences. Enrollment is restricted to members of the United States Armed Forces.

**Teachers In Geoscience Program.** A two-year, 12 course, 36 credit hour program of study that leads to a M.S. degree in Geosciences. Primarily for K-12 teachers. An additional two-year, 10 course, 30 credit hour program of advance course work is available.

**GEOSCIENCES CORE****University and College Core**

English Composition (6 hours)  
EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)  
CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)  
4 semesters one Foreign Language (see advisor)

Humanities (6 hours)  
3 hours Literature - see University CORE  
3 hours History - see University CORE

Mathematics (6 hours)  
MA 1313 College Algebra  
3 hours MA course above College Algebra

Fine Arts (3 hours)  
CO 1503 Intro to Theatre (for Broadcast Meteorology)  
See A&S Core listing (for all others)

Natural Sciences (9-12 hours)  
Specified under emphasis areas

Social Sciences (6 hours)  
GR 1123 World Geography  
3 hours additional course\*  
For Broadcast Meteorology  
GR 1123 World Geography  
CO 1403 Mass Media

**Major Core**

Basic Courses  
GG 1113 Earth Science *and*  
GG 1111 Earth Science Lab **or**  
GR 1114 Physical Geography w/Lab

**CHOOSE ONE OF THE FOLLOWING CONCENTRATION AREAS:****Professional Geology Concentration**

GG 1121 Earth Sciences II Lab  
GG 1123 Survey of Earth Sciences II  
GG 3133 Intro to Environmental Geology  
GG 4114 Mineralogy  
GG 4123 Petrology  
GG 4203 Principles of Paleobiology **or**  
GG 4113 Micropaleontology **or**  
GG 4133 Principles of Paleoecology  
GG 4304 Principles of Sed. Dep I  
GG 4413 Structural Geology  
GG 4333 Geowriting\*\*  
GG 4443 Prin of Sed Dep II  
GG 4503 Geomorphology  
6 hours Summer Field Camp\*  
GR 2313 Maps and Remote Sensing  
GR 3113 Conservation of Natural Resources  
MA 1463 Finite Math & Intro Calculus  
ST 3113 Intro to Statistical Inference  
PH 1113 General Physics  
PH 1123 General Physics  
PH 1133 General Physics **or**  
GG 4233 Applied Geophysics

CH 1211 Investigations in Chemistry  
CH 1213 Fundamentals of Chemistry  
CH 1221 Investigations in Chemistry  
CH 1223 Fundamentals of Chemistry  
8 hours General Electives

Choose two of the following:  
GG 1133 Planetary Geology  
GG 3603 Intro to Oceanography  
GG 3613 Water Resources  
GG 4523 Coastal Environments

Choose three of the following:  
GG 4153 Engineering Geology  
GG 4433 Subsurface Methods  
GG 4613 Physical Hydrogeology  
GG 4623 Chemical Hydrogeology

**Total hours needed for major: 136**

\* From approved university. See advisor.

\*\* Fulfills Computer Literacy Requirement and Jr./Sr. Writing Requirement.

**Environmental Geoscience Concentration**

GG 3603 Intro to Oceanography  
GG 3613 Water Resources  
GG 4333 Geowriting\*\*  
GR 1603 Intro to Meteorology  
GR 2313 Maps and Remote Sensing  
18 hours 4000 level departmental courses  
ST 3113 Intro to Statistical Inference **or**  
GR 4633 Statistical Climatology  
9 hours Natural Sciences\*  
40 hours General Electives - Consult advisor

Choose one of the following:  
GG 1133 Planetary Geology  
GG 3133 Intro to Environmental Geology  
GG 4523 Coastal Environments  
GR 3113 Conservation of Natural Resources  
GR 4813 Natural Hazards

**Total hours needed for major: 136**

\* CH and BIO recommended; see University CORE.

\*\* Fulfills Computer Literacy Requirement and Jr./Sr. Writing Requirement.

**Geography Concentration**

GG 4443 Geowriting\*  
GR 2013 Cultural Geography  
GR 2313 Maps and Remote Sensing  
GR 4103 Geography of Tourism  
GR 4203 Geography of North America  
GR 4990 Special Topic - Principles of GIS  
6 hours 4000 level departmental courses  
40 hours General Electives - Consult Advisor

Choose four of the following:  
GG 1133 Planetary Geology  
GG 3133 Intro to Environmental Geology  
GG 3603 Intro to Oceanography  
GG 3613 Water Resources  
GG 4523 Coastal Environments  
GR 1603 Intro to Meteorology  
GR 3113 Conservation of Natural Resources  
GR 4823 Natural Hazards

Choose one of the following:

GR 4213	Geography of Latin America
GR 4223	Geography of Europe
GR 4233	Geography of Asia
GR 4243	Geography of Russia
GR 4253	Geography of Africa
GR 4263	Geography of the South

GR 4273 Geography of Mississippi

**Total hours needed for major: 136**

\* Fulfills Computer Literacy Requirement and Jr./Sr. Writing Requirement.

**Broadcast Meteorology Concentration**

GG 3613	Water Resources*
GR 1603	Intro to Meteorology
GR 3113	Conservation of Natural Resources
GR 4203	Geography of North America
GR 4401	Weather Analysis I
GR 4411	Weather Analysis II
GR 4421	Weather Forecasting I
GR 4431	Weather Forecasting II
GR 4503	Pract in Broadcast Meteorology I
GR 4513	Pract in Broadcast Meteorology II
GR 4523	Pract in Broadcast Meteorology III
GR 4533	Pract in Broadcast Meteorology IV
GR 4653	Satellite and Radar Meteorology
GR 4703	Severe Weather
GR 4713	Synoptic Meteorology I
GR 4743	Synoptic Meteorology II

GR 4633	Statistical Climatology
GR 4823	Natural Hazards
GR 4613	Applied Climatology
GR 4913	Thermodynamic Meteorology
CO 2013	Voice and Articulation
CO 2313	News Writing for Electronic Media**
CO 2333	TV Production
CO 2503	Acting
CO 3333	Advanced Television Production
12 hours	General Electives - Consult Advisor

**Total hours needed for major: 136**

\* Fulfills Computer Literacy Requirement.

\*\* Fulfills Jr./Sr. Writing Requirement.

**Operational Meteorology Concentration**

GG 4333	Geowriting*
GR 1603	Intro to Meteorology
GR 3113	Conservation of Natural Resources
GR 4203	Geography of North America
GR 4401	Weather Analysis I
GR 4411	Weather Analysis II
GR 4421	Weather Forecasting I
GR 4431	Weather Forecasting II
GR 4653	Satellite and Radar Meteorology
GR 4703	Severe Weather
GR 4713	Synoptic Meteorology I
GR 4743	Synoptic Meteorology II
GR 4803	Statistical Climatology
GR 4613	Applied Climatology
GR 4913	Thermodynamic Meteorology
3 hours	General Electives

GG 3133	Intro to Environmental Geology
GG 3603	Intro to Oceanography
GG 3613	Water Resources
GG 4523	Coastal Environments
GR 4823	Natural Hazards

**Suggested Electives (30 hours)**

GR 2313	Maps and Remote Sensing
GR 4000	Senior Research I (1 hour)
GR 4000	Senior Research II (1 hour)
GR 4990	Special Topic - Principles of GIS
CSE1233	Computer Programming C
FO 4312/4311	Forest Photogrammetry
FO 4552/4451	Remote Sensing
FO 4472/4471	G.I.S.

**Total hours needed for major: 136**

\* Fulfills Computer Literacy Requirement and Jr./Sr. Writing Requirement.

Choose three of the following:

GG 1133	Planetary Geology
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**HEALTH INFORMATION MANAGEMENT CURRICULUM (BIOH)**

Major Advisor: Professor Don Downer  
Office: 226 Harned Hall

The health records administration curriculum is designed to prepare students for careers as administrators in charge of hospital medical records. Completion of the two-year curriculum qualifies a student for admission to the University of Mississippi Medical Center at Jackson or some other medical center offering a medical records administration program. The clinical work must be taken at a school having a program approved by the Council on Medical Education for Hospitals of the American Medical Association and the American Medical Record Association. Students who satisfactorily complete the pre-professional and professional training will be awarded the B.S. degree by the professional school and will be eligible to take the examination administered by the American Medical Record Association for certification as a registered medical records administrator.

**Department of HISTORY (HI)**

Major Advisor: Assistant Professor David N. Foote  
Office: 214 Allen Hall

Among the humanities disciplines, history is unique in the emphasis it places on interpreting the human experience within the context of time. Past, present, and future are a continuum in which human beings and societies evolve along more or less predictable lines; the present is a product of the past just as the future is the product of present. History is a humane study that emphasizes the importance of people, their individual choices, and the values they hold. It also provides the indispensable background, the social and political context, for other academic disciplines and branches of knowledge.

Specialization in history on the undergraduate level has direct professional application in the field of secondary education and provides excellent preparation for careers in law, the ministry, communication, journalism, government service, the military, and business. The department maintains a close working relationship with other departments on campus, making it possible for students who desire to do so to pursue double majors, joining history with geography, English, political science, business, computer science, or other fields.

To earn a Bachelor of Arts degree with a major in history, a student must pass a minimum of 39 semester hours in history with a 2.50 average in those courses. All undergraduates majoring in history must complete two of the following basic sequences: HI 1063/1073; HI 1163/1173; HI 1213/1223; HI 1313/1323. Upon completion of these basic surveys majors are required to take a minimum of two upper division courses in United States history, two upper division courses in European history, two upper division courses in African, Ancient, Asian or Latin American history plus two upper division electives in any area of history. At the beginning of their junior year majors must enroll in and pass with a grade of "C" or better, a course in Historiography and Historical Method (HI 3903). Fifteen hours of the upper division work (3000 and 4000 level courses) must be taken at Mississippi State. For a minor in history, a student must take a minimum of eighteen semester hours of history including HI 1163 or 1213 and HI 1173 or 1223 plus twelve additional credit hours in history courses numbered 2000 and above including at least one at the 4000 level. Students interested in a major or minor in history should consult one of the advisors listed.

The Department of History offers work leading to both the M.A. and Ph.D. degrees. The prerequisite for admission to a graduate program in history is a minimum of 18 hours of undergraduate history courses. Students desiring to pursue graduate studies should consult the Graduate Coordinator.

Mississippi State has a chapter of Phi Alpha Theta, the international history honorary society. Those interested in the eligibility requirements should consult with Professor Connie Lester in the history department

### University and College Core

English Composition (6 hours)

EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)

4 semesters one Foreign Language - see advisor

Humanities (6 hours)

3 hours Literature - see University CORE  
3 hours History - see major

Philosophy Elective (3 hours)

See A&S listing

Humanities Elective (9 hours)

Must be from 2 different areas - can be upper division hours - see A&S Core

6 hours can come from history  
Other 3 hours - not history

Math

MA 1313 College Algebra  
MA 1323 Trigonometry **or**  
ST 2113 Stats for Beh Sci or higher math

Fine Arts (3 hours)

See A&S Core

Natural Sciences (9-12 hours)

3-4 hours Physical Science w/Lab\*  
3-4 hours Biological Science w/Lab\*\*  
3-4 hours Natural Science Elective\*\*\*

Social Sciences (6 hours) - See A&S Listing

Social Sciences Electives (12 hours)\*\*\*\*

### Major Core

Must choose two of the following sequences:

World History: HI 1163, HI 1173

Western World: HI 1213, HI 1223

U.S. History: HI 1063, HI 1073 **or**

East Asian Civ: HI 1313, HI 1323

6 hours U.S. History U/D Electives

6 hours African, Ancient, Asian, or Latin America U/D  
Elective

6 hours European History U/D Elective

6 hours U/D History Elective

Writing Requirement (3 hours)

HI 3903 Historiography and Historical Method

Computer Literacy (3 hours) - Consult Advisor

General Electives

16 hours General Electives - Consult advisor

**Total hours needed for major: 128**  
(32 hours must be A&S 3000 or above)

\* CH, GG, or PH; see University CORE.

\*\* BIO, EPP, or PO; see University CORE.

\*\*\* Consult advisor.

\*\*\*\* Must be from 2 different areas and must cross 4 disciplines over the 18 hours. Only one Economics allowed. Can be upper division hours. See advisor.

## JOURNALISM

See Department of COMMUNICATION

## Department of MATHEMATICS(MA) and STATISTICS(ST)

Interim Department Head: Michael Neumann

Associate Head and Graduate Coordinator: Corlis Johnson

Undergraduate Coordinator: Vivien Miller

Office: 410 Allen Hall

The department of mathematics and statistics offers a Bachelor of Arts degree (128 hours), Bachelor of Science degree (136 hours), and a BS in math with teaching certification (128 hours). The department also offers minors in mathematics and statistics, which are described below.

Candidates for the Bachelor of Arts degree are required to complete a minimum of 36 hours of mathematics. The required classes are MA 1713, MA 1723, MA 2733, MA 2743, MA 3113, MA 3253, MA 3163, MA 3213, MA 4633, MA 4643 and two math electives numbered 3000 or above. The student needs to have an overall C average and a C average in the math classes. It is recommended that MA 3053 be selected as an elective and taken prior to MA 3163. Math majors must satisfy the common curriculum of the College of Arts and Sciences which is detailed below. In addition, 3 hours of computer science is required.

Candidates for the Bachelor of Science degree are required to take a minimum of 42 hours of mathematics. The required classes are MA 1713, MA 1723, MA 2733, MA 2743, MA 3113, MA 3253, MA 3163, MA 3213, MA 4313, MA 4633, MA 4643, one math elective numbered 3000 or above and two math electives numbered 4000 or above. The student needs to have an overall C average and a C average in the math classes. It is recommended that MA 3053 be selected as an elective and taken prior to MA 3163. Math majors must satisfy the common curriculum of the College of Arts and Sciences which is detailed below. In addition 3 hours of computer science is required.

Candidates for the Bachelor of Science with teaching certification are required to take 39 hours of mathematics, 22 hours of education and 12 hours of Student teaching. The required math classes are MA 1713, MA 1723, MA 2733, MA 2743, MA 3113, MA 3253, MA 3053, MA 3163, MA 3123, MA 3213, MA 4633, MA 4523 or MA 4553 and one elective at the 3000 level or above. The student needs to have an overall C average and a C average in the math classes. In addition, the student must satisfy the same Arts and Sciences requirements as the Bachelor of Science degree detailed below plus the computer science requirement.

A minor is not required for either of the above degrees, but if a student wishes a minor it has to be chosen from a subject that offers a minor. For example, the only subject in the College of Engineering that offers a minor is Computer Science. To find out if a subject has a minor, the student needs to refer to the MSU Bulletin.

Graduate study is offered in the Department of Mathematics and Statistics leading to the degree of Master of Science in Mathematics, Master of Science in Statistics, and a Doctor of Philosophy in Mathematical Sciences. Major areas of study for the Doctor of Philosophy in Mathematical Sciences include applied and computational mathematics, ordinary and partial differential equations, functional analysis and operator theory, functional equations, graph theory, topology and statistics. Both thesis and non-thesis options are available under the Master of Science in Mathematics and the Master of Science in Statistics. Please see the graduate coordinator and the graduate bulletin for more details. Also, the department participates in interdisciplinary programs leading to the degrees of Master of Science in Education, Educational Specialist, and Doctor of Education.

A minor in mathematics consists of MA 1713, MA 1723, MA 2733, MA 2743, MA 3113, MA 3253 and two more math courses at the 3000+ level. A minor in statistics consists of ST 3113, ST 4111, ST 4213, ST 4523, ST 4543 and ST 4573.

### B. A. in Mathematics

#### University and College Core

English Composition (6 hours)

EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)  
4 semesters one Foreign Language - see advisor

Humanities (18 hours)  
3 hours Literature - see University CORE  
3 hours History - see University CORE  
3 hours Philosophy - see University CORE  
9 hours from at least 2 different areas of Humanities

Math (6 hours)  
See major Core

Fine Arts (3 hours)  
See A&S Core Listing

Natural Sciences (9-11 hours)  
BIO 1023 Plants and Humans **or**  
BIO 1203 Plant Biology **or**  
BIO 1123 Animal Biology **or**  
BIO 1504 Principles of Zoology  
CH 1213 Fundamentals of Chemistry I  
CH 1223 Fundamentals of Chemistry II  
CH 1211 Investigations in Chemistry  
**or**  
PH 2213 Physics I  
PH 2223 Physics II

Social Sciences Electives (18 hours)  
6 hours from A&S Core

(Courses must spread over at least 4 disciplines with a max of one Economics and a max of 2 in each remaining discipline.)

Major Courses  
MA 1713 Calculus I  
MA 1723 Calculus II  
MA 2733 Calculus III  
MA 2743 Calculus IV  
MA 3113 Intro to Lin Alg  
MA 3163 Intro to Mod Alg I  
MA 3253 Diff Equations I  
MA 4633 Advanced Cal I  
MA 4643 Advanced Cal II  
6 hours Math Elective - 3000+

Writing Requirement (3 hours)  
MA 3213 Math Writing

Computer Literacy (3 hours)  
CSE 1213 Fortran **or**  
CSE 1233 Programming with C **or**  
CSE 1273 Programming with Java

General Electives  
16-20 hours General Electives - consult advisor

**Total hours needed for major: 128**

(32 hours must be 3000/4000 from A&S)

**B.S. in Mathematics**

**University and College Core**

English Composition (6 hours)  
EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I  
  
EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)  
CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language  
4 semesters one Foreign Language - see advisor

Humanities (6 hours)  
3 hours Literature - see University CORE  
3 hours History - see University CORE

Math (6 hours)  
See major Core

Fine Arts (3 hours)  
See A&S Core Listing

Natural Sciences (15-16 hours)  
Choose one of three options.  
Option 1  
PH 2213 Physics I  
PH 2223 Physics II  
PH 2233 Physics III  
CH 1213 Fundamentals of Chemistry I  
CH 1223 Fundamentals of Chemistry II  
Ch 1211 Investigations in Chemistry  
  
Option 2  
PH 2213 Physics I  
PH 2223 Physics II  
PH 2233 Physics III  
*PLUS choose two of the following:*  
BIO 1203 Plant Biology  
BIO 1504 Principles of Zoology

BIO 3103 Genetics I  
  
Option 3  
BIO 1203 Plant Biology  
BIO 1504 Principles of Zoology  
BIO 3103 Genetics I  
CH 1213 Fundamentals of Chemistry I  
CH 1223 Fundamentals of Chemistry II  
CH 1211 Investigations in Chemistry

Social Sciences (6 hours)  
See A&S Core Listing

**Major Core**

Students should check for prerequisites for all courses. Consult advisor. It is recommended that students take MA 3053 prior to MA 3163.

MA 1713 Calculus I  
MA 1723 Calculus II  
MA 2733 Calculus III  
MA 2743 Calculus IV  
MA 3113 Intro Lin Alg  
MA 3163 Intro to Mod Alg I  
MA 3253 Diff Equations I  
MA 4313 Numerical Analysis I  
MA 4633 Advanced Cal I  
MA 4643 Advanced Cal II  
6 hours Math Elective (4000)  
3 hours Math Elective (3000+)

Writing Requirement  
MA 3213 Math Writing

Computer Literacy (3 hours)  
CSE 1213 Fortran **or**  
CSE 1233 Programming with C

General Electives (36-40 hours) - Consult advisor

**Total hours needed for major: 136**

(32 hours must be 3000/4000 from A&S)

**STATISTICS(ST)**

Associate Professor: Patrick Gerard  
Office: 410 Allen Hall

Courses in statistics are designed to satisfy two objectives. The first objective is to provide graduate training for those students wishing to pursue a career as professional statisticians. Both graduate and undergraduate courses are available for this purpose. The second is to provide minors for students from other disciplines. The undergraduate minor in statistics consists of ST 3113, ST 4213, one of ST 4523, ST 4543, ST 4111 and ST 4573.

Graduate study is offered in the Department of Mathematics and Statistics leading to the degree of Master of Science in Mathematics, Master of Science in Applied Mathematics, Master of Science in Statistics and a Doctor of Philosophy in Mathematical Sciences. Both thesis and non-thesis options are available under the Master of Science degree program. Many applied statistics courses are offered which are suitable for a minor in statistics at the master's or doctoral level. Specific course requirements for the graduate minor in statistics may be obtained from the Graduate Coordinator of the Department of Mathematics and Statistics.

Admission to the master's program in statistics is open to graduates in all disciplines. The program of study is a blend of both statistical theory and statistical methods, and it provides graduate students with the opportunity to participate as statistical consultants on real projects through the Center for Statistical and Mathematical Services. In addition, there is ample flexibility in the non-thesis option to allow a graduate student with special interests in an area of statistical application to minor in that particular applied field. The department awards a limited number of teaching assistantships. For further details, consult the Coordinator of Graduate Studies, P.O. Box MA, Mississippi State, MS 39762.

## MATHEMATICS and COMPUTER SCIENCE: A DOUBLE MAJOR PROGRAM (CSMA)

Major Advisors: Vivien Miller (417 Allen Hall) vivien@math.msstate.edu  
Donna Reese (300 Butler Hall) dreese@cse.msstate.edu

The double major in math and computer science consists of 149 total hours. These hours include 39 in mathematics, 44 in computer science, EE 3714 and the Arts & Sciences core curriculum. Please see one of the two advisors listed above for details.

## Department of PHILOSOPHY and RELIGION

### PHILOSOPHY MAJOR (PR)

Associate Professors Michael Clifford and Lynn Holt (Head)  
Assistant Professor Yolanda Estes  
Office: 29-30 President Circle

Philosophy is the study of the basic concepts—such as reality, truth, and goodness—which underlie the more specialized pursuits of science, art, education, religion, *etc.* Although students often study philosophy for its own sake, the general perspective it provides, and the rational skills it develops, are of immense practical value in any profession.

The baccalaureate degree in philosophy is the accepted major for those planning to enter graduate school in philosophy. It is, however, an excellent pre-law and pre-seminary degree and, because of its general nature, philosophy is highly appropriate as a double major with any other concentrated field of study.

The standard program leading to the Bachelor of Arts degree in philosophy has a major requirement of 30 hours, including Introduction to Philosophy, Introduction to Logic, Introduction to Ethics, History of Philosophy, Parts I and II, and Seminar in Philosophy. The final 12 hours, including 6 that must be PHI courses, are to be selected in consultation with, and with approval by, the major advisor.

The department also offers a minor in philosophy, with the requirements being 18 hours of PHI courses.

Students considering either a major or minor in philosophy should meet with one of the department's advisors as early in their careers as possible.

#### University and College Core

English Composition (6 hours)

EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)

4 semesters one Foreign Language - see advisor

Humanities (6 hours)

3 hours Literature - see University CORE  
3 hours History - see University CORE

Philosophy Elective (3 hours)

See Major

Humanities Elective (9 hours)

Must be from 2 different areas- see A&S Core listing  
See Major

Math (6 hours)

MA 1313 College Algebra  
MA 1323 Trigonometry **or**  
ST 2113 Stats for Beh Sci **or** higher math

Fine Arts (3 hours)

See A&S Core Listing

Natural Sciences (9-12 hours)

3-4 hours Physical Sciences w/lab (CH, GG, PH)\*  
3-4 hours Biological Sciences w/lab (BIO, EPP, PO)\*  
3-4 hours Natural Science Elective\*\*

Social Sciences (6 hours)  
See A&S listing

Social Sciences Electives (12 hours)\*\*\*

#### Major Core

PHI 1103 Intro to Philosophy  
PHI 1113 Intro to Logic  
PHI 1123 Intro to Ethics  
PHI 3023 History Western Phil I  
PHI 3033 History Western Phil II  
12 hours PHI Electives

Writing Requirement (3 hours)

PHI 3133 Seminar in PHI

Computer Literacy (3 hours)

See University CORE

General Electives (24 hours)

Consult advisor

**Total hours needed for major: 128**  
(32 hours must be 3000/4000 from A&S)

\* See University CORE.

\*\* Consult advisor.

\*\*\* Must be from 2 different areas and must cross 4 disciplines over the 18 hours.  
Only one Economics allowed. See advisor.

### Religion Concentration

Major Advisors: Professors Paul Jacobs and Joe Seger  
Assistant Professors: Eve Mullen and Jimmy Hardin  
Office: 29-30 President Circle

#### Religion Concentration

Religion refers to the basic human impulse to seek coherence in life, to find that unity which guides and orders human existence. As an academic discipline the study of religion involves consideration of those writings, customs, and rituals that have historically served to form and distinguish religious groups. It includes examination of primitive religions and sectarian developments as well as study of the major world religions of both the east and west.

Some Religion faculty are housed in the Cobb Institute of Archaeology and are cross-appointed to the Institute staff. In addition, there are other archaeologists in the Institute, including specialists in the Middle East and Southeastern U.S.

The Department of Philosophy and Religion offers a concentration in religion leading to the Bachelor of Arts degree in philosophy. The baccalaureate degree in religion is an accepted major for those planning to enter graduate school or to prepare for careers in a professional ministry or in teaching. However, because it offers a broad historical and cultural orientation, the religion major offers excellent preparation for any career. It is highly appropriate as a double major, or as a minor in association with any other concentrated field of study.

The major with the concentration in religion has a requirement of 30 hours. Of these 9 hours are required in philosophy. These may be satisfied by taking either a) Introduction to Philosophy, Introduction to Logic, and Seminar in Philosophy, or b) History of Western Philosophy I and II, and Seminar in Philosophy. The remaining 21 hours must include Introduction to Religion and either World Religions I and II, or Introduction to the Old Testament and Introduction to the New Testament. The additional 12 hours, including 6 that must be REL courses, are to be selected in consultation with, and with approval by, the major advisor.

The department also offers a minor in religion, with the requirements being 18 hours in REL courses.

**University and College Core**

- English Composition (6 hours)  
 EN 1103 English Comp I **or**  
 EN 1163 Accelerated Comp I
- EN 1113 English Comp II **or**  
 EN 1173 Accelerated Comp II
- Public Speaking (3 hours)  
 CO 1003 Fundamentals of Public Speaking **or**  
 CO 1093 Honors Oral Communication
- Foreign Language (12-14 hours)  
 4 semesters one Foreign Language - see advisor
- Humanities (6 hours)  
 3 hours Literature - see University CORE  
 3 hours History - see University CORE
- Philosophy Elective (3 hours)  
 See Major
- Humanities Elective (9 hours)  
 Must be from 2 different areas- see A&S Core listing  
 See Major
- Math (6 hours)  
 MA 1313 College Algebra  
 MA 1323 Trigonometry **or**  
 ST 2113 Stats for Beh Sci **or** higher math
- Fine Arts (3 hours)  
 See A&S Core Listing
- Natural Sciences (9-12 hours)  
 3-4 hours Physical Sciences w/lab (CH, GG, PH)\*  
 3-4 hours Biological Sciences w/lab (BIO, EPP, PO)\*  
 3-4 hours Natural Science Elective\*\*
- Social Sciences (6 hours)

See A&amp;S listing

Social Sciences Electives (12 hours)\*\*

**Major Core**

- REL 1103 Intro to Religion  
 Choose one of the following combinations:  
 REL 1213 Intro Old Testament  
 REL 1223 Intro New Testament  
**or**  
 REL 3213 World Religion I  
 REL 3223 World Religion II
- Choose one of the following combinations:  
 PHI 1103 Intro to Philosophy  
 PHI 1113 Intro to Logic  
**or**  
 PHI 3023 History of W. Philosophy I  
 PHI 3033 History of W. Philosophy II
- Electives  
 12 hours REL/PHI Electives
- Writing Requirement (3 hours)  
 PHI 3133 Seminar in Phi
- Computer Literacy (3 hours)  
 See University CORE
- General Electives (30 hours)  
 Consult advisor

**Total hours needed for major: 128**

(32 hours of course work must be A&amp;S 3000/4000 level)

\* See University CORE.

\*\* Consult advisor.

\*\*\* Must be from 2 different areas and must cross 4 disciplines over the 18 hours. Only one Economics allowed. See advisor.

**OCCUPATIONAL THERAPY CURRICULUM (BIOT)**Major Advisor: Professor Don Downer  
226 Harned Hall

The supply of occupational therapy graduates falls far short of the demand so that numerous opportunities exist in the field. Mississippi State University does not provide training in physical therapy but does offer the background work necessary to transfer to a professional school. In their admission requirements professional schools differ, some requiring two years of pre-professional study, some three and others four. The two-year curriculum listed below satisfies the requirements of the Mississippi Medical Center in Jackson, where most Mississippi State University students pursue their professional training for three additional years. Sixteen hours of observation are also required. Upon successful completion of the pre-professional and professional work, students are awarded the M.S. degree by the professional school. Students wishing to apply to the University of Mississippi Medical Center should do so by January preceding the September they wish to enter. The University of Mississippi Medical Center only accepts Mississippi residents. Consult with your advisor for an appropriate schedule.

**PHYSICAL THERAPY CURRICULUM (BIOP)**Major Advisor: Professor Don Downer  
Office: 226 Harned Hall

Mississippi State University does not provide training in physical therapy but does offer the background work necessary to transfer to a professional school. In their admission requirements professional schools differ, some requiring two years of pre-professional study, some three, and others four. The courses listed below satisfy the requirements of the Mississippi Medical Center in Jackson, where most Mississippi State University students pursue their professional training. Forty hours of observation are also required. Upon successful completion of the pre-professional and professional work, students are awarded the M.S. degree by the professional school. Students wishing to apply to the University of Mississippi Medical Center should do so by January preceding the September they wish to enter. The University of Mississippi Medical Center only accepts Mississippi residents.

**Admission Requirements**

- provide evidence of observation in a minimum of two physical therapy clinical departments or practices for a total of 40 hours (additional hours and sites are recommended)
- have a baccalaureate degree
- submit an official report of GRE scores. The report must include verbal, quantitative and analytical scores
- return all application materials to the Office of Student Services and Registrar by the admissions deadline, and
- complete the following prerequisite course requirements:<sup>\*</sup>
  - Human Anatomy or Comparative Anatomy 1 <sup>\*\*</sup>
  - Human Physiology - 1
  - Social Sciences - 2 (including sociology)
  - Statistics - 1 (mathematics, psychology)
  - Advanced Science - 2
  - Psychology - 2 (General and abnormal)
  - English Composition - 2
  - Fine Arts - 1
  - Chemistry - 2
  - Physics - 2
  - College Algebra - 1 (or higher level course)
  - Zoology or Biology - 2
  - Speech - 1
  - Humanities - 2

\* Science survey courses designed for non-science majors are not acceptable for transfer credit. Physical and biological science courses must include laboratory experiences.

\*\* Required number of courses.

**Department of PHYSICS and ASTRONOMY (PH)**Major Advisors: Joseph L. Ferguson and Jeffrey A. Winger  
Office: Hilbun Hall

Physics plays a basic role in all science and engineering disciplines. Physics is concerned with the study of the structure of matter, the nature of radiation, and the interaction of radiation and matter. Among the major branches are optical, laser, atomic, nuclear, molecular particle, condensed matter, bio-, astro-, plasma and computational physics. The B.S. program in physics provides an excellent, broadly based course of study with enough electives that the student can pursue his/her special interests in other subjects (for example, mathematics, computer science, chemistry, biology, etc). The B.S. degree provides the necessary training for either employment in industry or government, or continued study at the graduate level.

The department also has a Physics/Pre-Medical curriculum for those students who wish to compete for admission to medical and dental schools. An applied physics curriculum is available for those who wish to work in research and development or pursue graduate work in applied physics, engineering physics or some branch of engineering. In addition, the department offers the Master of Science in physics and the Ph.D in engineering physics. Information may be obtained by writing the Department of Physics and Astronomy, P.O. Box 5167, Mississippi State, MS 39762. [www.msstate.edu/Dept/Physics/](http://www.msstate.edu/Dept/Physics/)

A minor in physics requires 12 hours of physics at the 3000 level or above. These courses should be selected in consultation with a physics advisor.

The following is a recommended physics B.S. curriculum. Requirements for graduation are 136 hours with a GPA of at least 2.0. In addition, the student is required to maintain at least a C average in his/her physics courses.

#### University and College Core

English Composition (6 hours)

EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)

4 semesters one Foreign Language - see advisor

Humanities (6 hours)

3 hours Literature - see University CORE  
3 hours History - see University CORE

Math (6 hours)

See Major Core

Fine Arts (3 hours)

See A&S Core Listing

Natural Sciences (9-12 hours)

See Major Courses

Social Sciences (6 hours)

See A&S listing

#### Major Core

Some substitutions for required courses are possible for double majors. Student should check for prerequisites for all courses. Consult advisor.

PH 1001 Intro to Physics  
PH 1063 Desc Astronomy  
PH 2213 Physics I  
PH 2223 Physics II  
PH 2233 Physics III  
PH 3613 Modern Physics  
PH 4113 Elec Circuits

PH 4143 Inter Lab

PH 4213 Inter Mech I

PH 4323 Elec Fields I

PH 4413 Thermal Physics

PH 4513 Inter Opts

PH 4152 Mod Physics Lab

PH 4713 Intro Quant Mech

Physics Electives - 6 hours; 3 hours must be chosen from the following:

PH 4223 Mech II

PH 4333 Elec Fields II

PH 4723 Applications of Quant Mech

CH 1213 Fund of Chemistry

CH 1211 Lab

CH 1223 Fund of Chemistry

CH 1221 Lab

MA 1713 Calculus I

MA 1723 Calculus II

MA 2733 Calculus III

MA 2743 Calculus IV

MA 3113 Intro Lin Alg

MA 3253 Diff Equations I

MA 3353 Diff Equations II

Writing Requirement (3 hours)

Approved Jr/Sr writing course - see advisor

Computer Literacy (3 hours)

CSE1233 Comp Prog with C recommended

Science and Math Electives

9 hours Consult advisor

General Electives

10 hours Consult advisor

**Total hours needed for major: 136**

(32 hours course work must be A&S 3000/4000 level.)

#### Physics/Pre-Medical Curriculum

For this curriculum the required courses for the physics major are reduced by 9 hours (two physics electives and PH 4413).

MA 3353 Diff Equations II\*

BCH 4603 General Biochemistry I *and*

BCH 4613 General Biochemistry II

BIO 1504 Prin Zoology

BIO 3304 General Microbiology

BIO 3504 Comp Anatomy

BIO 4504 Comp Vert Embryology

Additional recommended courses. Check with Pre-Medical Advisor.

CH 4513 Organic Chemistry I

CH 4511 Organic Chemistry Lab

CH 4523 Organic Chemistry II

CH 4521 Organic Chemistry Lab

BCH 3613 Elem Biochem **or**

\* MA 4523 may be substituted for MA 3353

#### Applied Physics Curriculum

For this curriculum the required physics courses for the physics major are reduced by 6 hours of physics electives.

PH 4333 Elec Fields II **or**

ECE 3324 Electromagnetics II is recommended

MA 4313 Num Analysis I is recommended

15 hours Engineering electives recommended; see advisor

MA 3313 Num Meth **or**

### DEPARTMENT of POLITICAL SCIENCE (PS)

Undergraduate Coordinator: Dr. Diane Wall

Office: 129B Etheredge Hall

The Department of Political Science offers a Bachelor of Arts degree (B.A.) for individuals who have an interest in politics and who seek careers in the law, in federal, state, or local government (either administrative or elective), in the diplomatic service, with international organizations, in the business world, or in teaching. The Department also offers a Master of Arts degree in Political Science (M.A.), a National Association of Public Affairs and Administration Accredited graduate professional degree in Public Administration (M.P.P.A.) and a Ph.D. in Public Policy and Administration which prepare men and women for careers in the public service. Interested students should consult the undergraduate or graduate coordinator.

Students pursuing the B.A. degree in Political Science are required to complete PS 1113, PS 4464, EC 1033 or EC 2113, and three of the following introductory Political Science courses: PS 1313, PS 1513, PS 2403 and PS 2703. They must also complete a minimum of seven upper-division elective courses in Political Science (totaling at least 21 credits); of these seven courses, at least one must be completed in each of three of the four subfields of the discipline as displayed in the "Part III: Description of Courses" portion of this *Bulletin* (American Politics, International Politics, Political Theory, and Comparative Politics).

Political Science majors who wish to teach social studies in Mississippi may become certified by combining the Political Science major with appropriate courses in the College of Education; in Mississippi, it is not necessary to major in secondary education in order to become certified to teach. At the same time, majors in secondary education who plan to become social science teachers should consider a second major, or a minor in Political Science.

Students not majoring in Political Science may wish to select a minor. A minor consists of a minimum of 18 hours of course work in Political science at least 9 of which must be at the 3000 level or above. Interested nonmajors should speak with the undergraduate coordinator to formulate a suitable program of study.

The John C. Stennis Scholarship in Political Science is awarded each spring to at least two graduating high school seniors and/or community-college graduates who are Mississippi residents, and who plan to major in Political Science at Mississippi State University. These scholarships carry a stipend of \$2,000 per year for four years or until graduation, whichever comes sooner.\* The Stennis Scholarships are awarded to academically outstanding students who demonstrate the desire and potential to become actively involved as leaders in the political and governmental affairs of the community, state, or nation. For further information, consult the Head of the Department of Political Science, P.O. Box PC, Mississippi State, MS 39762 or telephone 325-2711; high school counselors should also be able to provide application forms.

The Morris W. H. "Bill" Collins Scholarship may be awarded to one African American high school senior who is a resident of Mississippi, who plans to major in Political Science at Mississippi State University, and who demonstrates potential for making contributions in some area of public service. This scholarship carries a stipend of \$1,500 per year for four years or until graduation, whichever comes first. For further information, consult the Head of the Department of Political Science, P.O. Box PC, Mississippi State, MS 39762 or telephone 325-2711.

The Haley Barbour Scholarship is awarded each spring to one Political Science major, with two years of college remaining, who evidences a determination to become involved in the political life of the nation. The Barbour Scholarship carries a stipend of \$1,500 per year for a maximum of two years, typically the recipient's junior and senior years. Political Science majors may be nominated by faculty for the Barbour Scholarship or make application on their own. For further information and application forms, consult the Head of the Department of Political Science, P.O. Box PC, Mississippi State, MS 39762 or telephone 325-2711.

The following is a typical course of study for Political Science majors, but students should consult with their advisors in order to develop a program which is best for them. For more information contact: Dr. Diane Wall at 662-325-7864 or dew1@ps.msstate.edu.

\* Transfer students receive the stipend for two years or until graduation, whichever comes sooner.

### University and College Core

English Composition (6 hours)

EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)

4 semesters one Foreign Language - see advisor

Humanities (6 hours)

3 hours Literature - see University CORE  
3 hours History - see University CORE

Philosophy Elective (3 hours)

Consult advisor

Humanities Elective (9 hours)

(Must be from 2 different areas - see A&S Core)

Mathematics (6 hours)

MA 1313 College Algebra  
3 hours above college algebra

Fine Arts (3 hours)

See A&S Core List

Natural Sciences (9-12 hours)

3-4 hours Physical Sciences w/lab (CH, GG, PH)\*  
3-4 hours Biological Sciences w/lab (BIO, EPP, PO)\*  
3-4 hours Natural Science Elective\*\*

Social Sciences (6 hours)

See University CORE

Social Sciences Electives (12 hours)\*\*

### Major Core

PS 1113 American Government\*\*\*\*

Introductory PS Courses (9 hours)

Choose 3 of the following:

PS 1313 Introduction to International Relations  
PS 1513 Comparative Government  
PS 2403 Introduction to Political Theory  
PS 2703 Introduction to Public Policy

PS U/D Electives (21 hours)

(See advisors for selection)\*+

Writing Requirement (4 hours)

PS 4464 Political Analysis

Computer Literacy (3 hours)\*++

General Electives (16 hours)

**Total hours needed for major: 128  
(Must have minimum of 32 hours A&S upper division courses.)**

\* See University CORE.

\*\* Consult advisor.

\*\*\* Must be from 2 different areas and must cross 4 disciplines over the 18 hours. Only one Economics allowed. See advisor.

\*\*\*\* Also counts as Social Science Requirement.

+ Must have at least one course from 3 of 4 areas as listed under the Political Science Department in the bulletin's Description of Courses: American Politics, International Politics, Political Theory, Comparative Politics. Only one directed individual study course and only one honors thesis course may be included.

++ Consult advisor to select one of the following: ART 2803, BIS 1013, CSE 1213, CSE 1253, CSE 1293, CSE 1123, CSE 4053, PSY 4123, TKT 1273.

## PRE-LAW CURRICULUM (LAW)

Faculty Advisors

Associate Professor Diane E. Wall, Chair

Office: 129B Etheredge Hall

Associate Professor Matthew W. Little

Office: 316 Lee Hall

Most directors of law school admissions indicate that a wide variety of majors from various colleges are appropriate for admission to their law school. Since there is no formal pre-law curriculum, a course of study is designed to prepare students for law school in conjunction with the student's formal major. Essentially, it will provide students contemplating a career in law with a broad-based program of study that focuses on improvement of the student's skills in oral communication, writing, and analytical reasoning.

Students interested in careers in law are encouraged to speak with a Pre-Law advisor and to participate in various law-related programs such as law school visitations, the Pre-Law Society, and Distinguished Jurist Day. Your Pre-Law advisor will provide guidance on the law school admissions test (LSAT), law school application process, and on selecting the best law school for you. LSAT and law school applications are available in room 129B Etheredge Hall. For additional information contact Dr. Diane Wall at 662-325-7864 or dew1@ps.msstate.edu.

There is no set curriculum but the following are suggested basic courses for a person interested in law school. See your pre-law advisor for additional course suggestions based on your career interest and major.

BL 2413 Legal Environment of Business  
EN 4223 Principles of Legal Writing  
LSK 2013 Speed Reading  
PHI 1113 Introduction to Logic  
PS 3063/3073 Constitutional Powers/Civil Liberties

PS 4183 Judicial Process  
PSY 3213 Psychology of Abnormal Behavior  
SO 3603 Criminology

**PRE-MEDICAL and PRE-DENTAL CURRICULA (MED) (DENT)**

Pre-Medical and Pre-Dental Advisory Committee:  
 Professor Don Downer; Office: 226 Harned Biology Building  
 Professor John A. Boyle; Office: 402 Dorman  
 Associate Professor Tom P. Cathcart; Office: 123 Agricultural Engineering  
 Assistant Professor James A. Price (Pre-Dental); Office: 223 Harned Biology Building

Preference is given to persons who have completed four years of study, majored in a specific discipline, and earned a bachelor's degree. The curriculum for admission to professional school includes one academic year each of English, biological science, inorganic chemistry, organic chemistry, mathematics, physics and advanced science. The Pre-Medical advisors can provide detailed information about requirements of various schools.

**PRE-NURSING CURRICULUM (BION)**

Major Advisor: Professor Michael J. Sullivan  
 Office: 130 Harned Hall

UMC and MUW have slightly different admission requirements, so course selection will vary during the sophomore year depending upon which professional school the student plans to attend. Students should consult the advisor for details. A minimum grade of C and a minimum composite score of 21 on the ACT is required for admission. Application for professional school is normally made during the fall preceding the year admission is desired. **Consult your advisor for developing an appropriate schedule of classes.**

**PRE-OPTOMETRY CURRICULUM (BIOO)**

Major Advisor: Professor Don Downer  
 Office: 226 Harned Hall

Requirements for admission to the various optometry schools differ. Students should check the specific requirements of the professional schools to which they plan to apply. Pre-Optometry students should plan to take the Optometry College Admission Test (OCAT) during the sophomore or junior year. **Consult your advisor for developing an appropriate schedule of classes.**

**PRE-PHARMACY CURRICULUM (CHPH)**

Major Advisor: Professor Svein Saebo  
 Office: 118 Hand Lab

**Pre-Pharmacy Curriculum (CHPH)**

The pre-pharmacy program is intended for students who wish to attend the School of Pharmacy at the University of Mississippi. No degree will be granted from Mississippi State University, and there are thus no university or college requirements. The courses listed below will satisfy the requirements for the School of Pharmacy at the University of Mississippi. Most pharmacy schools have similar requirements. However, students who wish to attend other pharmacy schools should check the specific requirements for that school.

**Required Courses (45 hours)**

CH 1213 Fundamentals of Chemistry I  
 CH 1211 Lab  
 CH 1223 Fundamentals of Chemistry II  
 CH 1221 Lab  
 CH 4513 Organic Chemistry  
 CH 4511 Lab  
 CH 4523 Organic Chemistry  
 CH 4521 Lab

Note: CH 1213, 1223, 4513, and 4523 must be taken in that order; the labs CH 1211, 1221, 4511, and 4521 should be taken in that order. A lab may be taken after the corresponding class has been completed.

EN 1103 English Composition I  
 EN 1113 English Composition II  
 CO 1003 Fundamentals of Public Speaking  
 EC 2123 Microeconomics  
 MA 1713 Calculus I

PH 1113 General Physics I  
 PH 1123 General Physics II  
 BIO 1504 Principles of Zoology  
 BIO 2014 Human Physiology

**Electives (21 hours)****Social and Behavioral Electives (6 hours)**

At MSU EC 2113 Macroeconomics is a prerequisite for the required course EC 2123 (see above), and EC 2113 will count as one social science elective. In addition to EC 2113, one course from either Psychology, Sociology, Political Science, or Anthropology is required.

**Humanities and Fine Arts Electives (9 hours)**

At least 3 credit hours required in each of the two main areas. Humanities should be chosen from the following areas: English Literature, Foreign Language, History, Religion, or Philosophy

**General Electives (6 hours)**

Any course with college credit other than algebra or trigonometry

**IMPORTANT NOTE:** This adds up to a total of 66 credit hours, but the minimum requirement for admission to School of Pharmacy is 68 credit hours. The reason for this discrepancy is that the physics requirement at the University of Mississippi is 8 credit hours (2 times 4). MSU only offers 3 credit hours physics courses, and the School of Pharmacy has decided to accept MSU students with only 6 credit hours in physics. However, a total of 68 credit hours is still required. The 2 additional credit hours can be made up either by taking General Physics III, which is recommended by the School of Pharmacy, or a general elective (any course with college credit). If a student completes General Physics III and therefore has received credit for nine hours of physics, the additional credit hour will count toward satisfying the general elective requirement.

**Department of PSYCHOLOGY (PSY)**

Major Advisor: Professor Stephen Klein  
 Office: 110 Magruder

The department offers majors leading to the B.A. or B.S. degree, and the M.S. degree. Undergraduate students wishing to major in psychology must have a minimum 2.0 GPA on all college work attempted prior to entering the major. Transfer students also must have a minimum 2.0 GPA to be admitted to the psychology major.

The Bachelor of Arts degree program in psychology is designed to provide training for advanced study in psychology or related fields. Advanced study is recommended for students wanting a career in psychology, and most psychology majors are enrolled in the B.A. program, which requires a total of 128 semester hours.

In addition to the B.A. common curriculum of the College of Arts and Sciences, candidates for the BA. degree in psychology must take PSY 1013, PSY 2990, PSY 3103, PSY 3213, PSY 3313, PSY 3343, PSY 3623, PSY 3713, PSY 4203, PSY 4323, PSY 4403, plus 15 hours of psychology electives from the following courses: PSY 3003, PSY 3023, PSY 3073, PSY 3203, PSY 3353, PSY 3363, PSY 3413, PSY 3503, PSY 3803, PSY 4103, PSY 4113, PSY 4123, PSY 4223, PSY 4333, PSY 4343, PSY 4353, PSY 4423, PSY 4523, PSY 4633, PSY 4643, PSY 4653, PSY 4713, PSY 4723, PSY 4726, PSY 4733, PSY 4743, PSY 4903, PSY 4983, PSY 4990 and one 3000/4000 level Educational Psychology course. Psychology majors must earn a C or better in all required psychology courses.

For the 18 hour minor in Psychology, at least half of the classes (9 hours) must come from the list of required Psychology courses while the remainder may come from the list of Psychology electives. Students should consult a Psychology major advisor to plan a minor program which will complement their major studies and career interests.

For a Psychology concentration in the BSIS program of study, at least half of the classes (6 hours for the 12 hour concentration or 9 hours for the 18 hour concentration) must come from the list of required Psychology courses while the remainder may come from the list of Psychology electives. All of these must be upper-division courses. Students should consult the Undergraduate Coordinator in the Psychology Department to plan a concentration which will complement their career interests.

### Bachelor of Arts in Psychology

#### University and College Core

- English Composition (6 hours)  
 EN 1103 English Comp I **or**  
 EN 1163 Accelerated Comp I
- EN 1113 English Comp II **or**  
 EN 1173 Accelerated Comp II
- Public Speaking (3 hours)  
 CO 1003 Fundamentals of Public Speaking **or**  
 CO 1093 Honors Oral Communication
- Foreign Language (12-14 hours)  
 4 semesters one Foreign Language - see advisor
- Humanities (6 hours)  
 3 hours Literature - see University CORE  
 3 hours History - see University CORE
- Philosophy Elective (3 hours)  
 Consult advisor
- Humanities Elective (9 hours)  
 (Must be from 2 different areas - see A&S Core)
- Mathematics (6 hours)  
 MA 1313 College Algebra  
 MA 1323 Trigonometry **or**  
 ST 2113 Stats for Beh Sci (or higher math)
- Fine Arts (3 hours)  
 See A&S Core List
- Natural Sciences (9-12 hours)  
 3-4 hours Physical Sciences w/lab (CH, GG, PH)\*  
 3-4 hours Biological Sciences w/lab (BIO, EPP, PO)\*  
 3-4 hours Natural Science Elective\*\*

Social Sciences Core (6 hours)

See A&S Core listing

Social Sciences Electives (12 hours)\*\*\*

#### Major Core

- PSY 1013 General Psychology  
 1 hour Career Seminar - See advisor  
 PSY 3103 Intro Psych Stats  
 PSY 3213 Psy of Abnormal Behavior  
 PSY 3343 Psych Learning  
 PSY 3623 Social Psychology  
 PSY 3713 Cognitive Psychology  
 PSY 4203 Theories Personality  
 PSY 4323 History of Psychology  
 PSY 4403 Biological Psychology  
 15 hours PSY Electives

Writing Requirement (3 hours)

PSY 3313 Experimental Psychology

Computer Literacy (3 hours)

Consult advisor

General Electives (9 hours)

Consult advisor

#### Total hours needed for major: 128

32 hours of course work must be A&S 3000/4000

\* See University CORE.

\*\* Consult advisor.

\*\*\* Must be from 2 different areas and must cross 4 disciplines over the 18 hours (6 hours from the Social Science core and 12 hours of SS electives). Only one Economics allowed. See advisor.

### Bachelor of Science in Psychology

The faculty in psychology feels that a B.S. program should reflect the liberal arts mission of the department. To accomplish this goal, students in the B.S. program complete a six-course theme. The theme approach allows students to create a plan of study to complement their interests, and to encourage them to see the connection between courses. Students may elect to use a pre-existing minor or concentration as a theme, as long as they adequately describe how the courses in the minor or concentration fit together into a theme that relates to psychology. Psychology major requirements cannot be used to satisfy theme course requirements.

Students may elect to deviate from existing minors or concentrations and create their own themes with the consent of their advisors. "Creating one's own theme" will not be easy, and will require planning in advance.

A student's theme must be approved by his or her advisor prior to admission into the B.S. Program. A student interested in pursuing the B.S. degree also must fulfill the same departmental course requirements as for the B.A. degree. In addition to the theme requirement, the differences between the B.S. and B.A. degree programs in psychology are as follows: the humanities requirement is six rather than 18 credit hours, the social science requirement is six instead of 18 credit hours, and 136 rather than 128 credit hours are required for a degree.

#### University and College Core

- English Composition (6 hours)  
 EN 1103 English Comp I **or**  
 EN 1163 Accelerated Comp I
- EN 1113 English Comp II **or**  
 EN 1173 Accelerated Comp II
- Public Speaking (3 hours)  
 CO 1003 Fundamentals of Public Speaking **or**  
 CO 1093 Honors Oral Communication
- Foreign Language (12-14 hours)  
 4 semesters one Foreign Language - see advisor
- Humanities (6 hours)  
 3 hours Literature - see University CORE  
 3 hours History - see University CORE
- Mathematics (6 hours)  
 MA 1313 College Algebra  
 MA 1323 Trigonometry **or**  
 ST 2113 Stats for Beh Sci (or higher math)
- Fine Arts (3 hours)  
 See A&S Core List
- Natural Sciences (9-12 hours)  
 3-4 hours Physical Sciences w/lab (CH, GG, PH)\*  
 3-4 hours Biological Sciences w/lab (BIO, EPP, PO)\*  
 3-4 hours Natural Science Elective\*\*
- Social Sciences Electives (6 hours)\*\*\*  
 3 hours see major

3 hours consult advisor

#### Major Core

- PSY 1013 General Psychology  
 1 hour Career Seminar - See advisor  
 PSY 3103 Intro Psych Stats  
 PSY 3213 Psy of Abnormal Behavior  
 PSY 3343 Psych Learning  
 PSY 3623 Social Psychology  
 PSY 3713 Cognitive Psychology  
 PSY 4203 Theories Personality  
 PSY 4323 History of Psychology  
 PSY 4403 Biological Psychology  
 15 hours PSY Electives

Theme Electives (15 hours)

Consult advisor

Writing Requirement (3 hours)

PSY 3313 Experimental Psychology

Computer Literacy (3 hours)

Consult Advisor

General Electives (21 hours)

Consult advisor

#### Total hours needed for major: 136

32 hours of course work must be A&S 3000/4000

\* See University CORE.

\*\* Consult advisor.

\*\*\* Must be from 2 different areas.

## Department of SOCIOLOGY, ANTHROPOLOGY, and SOCIAL WORK (SO) (AN) (SW)

### ANTHROPOLOGY (AN)

Program Director: Dr. S. Homes Hogue  
Office: 108 Cobb Institute of Archaeology  
**Degrees: Bachelor of Arts, Master of Arts**

Anthropology is the study of humans as biological and cultural beings. Its subfields include archaeology, biological anthropology, cultural anthropology, and linguistics. Students majoring in anthropology may undertake course work in all four subfields, with concentrations offered in archaeology and cultural and biological anthropology.

Anthropology is a particularly broad major, designed for students who are preparing for employment with research organizations, or museums, for administrative and research positions with state or federal governments (such as state highway departments and the National Park Service), and with human service agencies or organizations that involve work in foreign countries. The undergraduate major in anthropology also prepares students for graduate training in professional fields such as planning, law, and public administration, as well as for further graduate training in anthropology leading to college and university teaching and research positions.

A student wishing to pursue a program leading to a Bachelor of Arts with a major in anthropology is required to elect a minimum of 36 credit hours of anthropology including: AN 1343, AN 1143, AN 1543, and AN 4123/6123. They must also complete a minimum of seven upper-division elective courses in Anthropology (totaling at least 21 credits): of these seven courses at least one must be completed in each of the three subfields from the following list: archaeology (AN 4523, AN 3523, AN 4503); biological anthropology (AN 4303, AN 4313, AN 3333); and cultural anthropology (AN 3113, AN 3123, AN 3133, AN 3153, AN 4133, AN 4163). No more than six credit hours from cross-listed courses taught in other programs and no more than twelve hours of fieldwork courses will count towards the required 36 hours. Statistics (ST 2113) is also required. Students are encouraged to take elective courses in related fields which will strengthen their academic training and job skills. These may include courses in human anatomy, soils, geology, and land surveying.

Students are eligible for membership in the Alpha chapter of Lambda Alpha, the national anthropology honorary. In order to be considered, a student must have at least a 2.50 overall GPA, with a 3.00 GPA in anthropology courses, and have earned a minimum of 12 semester hours credit in anthropology or sociology, with at least 6 of these in anthropology. Part-time jobs are available for anthropology majors through the Department of Sociology, Anthropology, and Social Work and through the Cobb Institute of Archaeology.

The Anthropology faculty and staff are housed in the Cobb Institute of Archaeology. There are other archaeologists in the Institute, including specialists in the Middle East and Southeastern U.S. Facilities include archaeology laboratories, darkroom, drafting room, and museum. The museum houses artifacts from Mississippi and the Middle East, including replicas of large-scale relief sculptures and statues from Assyria and Egypt.

Anthropology may be used as a minor field of study at both the undergraduate and graduate levels. Twelve (12) hours, (9 hours must be 3000 level or above) in addition to AN 1103, constitute an undergraduate minor. Requirements for an anthropology minor at the graduate level will be established in consultation with the anthropology major advisors. Courses taken for an undergraduate or graduate minor must be taught by anthropology faculty.

#### University and College Core

English Composition (6 hours)

EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)

4 semesters one Foreign Language - see advisor

Humanities (6 hours)

3 hours Literature - see University CORE  
3 hours History - see University CORE

Philosophy (3 hours)

See A&S listing

Humanities Elective (9 hours)\*

Must be from 2 different areas - see A&S Core

Mathematics (6 hours)

MA 1313 College Algebra  
ST 2113 Stats for Behavioral Sciences

Fine Arts (3 hours)

See A&S Core List

Natural Sciences (9-12 hours)

3-4 hours Physical Sciences w/lab (CH, GG, PH)\*\*

3-4 hours Life Science w/ lab (BIO)  
3-4 hours Natural Science Elective\*\*\*

Social Sciences (6 hours)  
See University CORE

Social Sciences Electives (12 hours)\*+

#### Major Core

AN 1143 Intro to Cultural Anthropology  
AN 1343 Intro to Biological Anthropology  
AN 1543 Intro to Archaeology  
21 hours Anthropology Upper Div Electives (See advisor)  
3 hours Anthropology lower or upper division Elective

Writing Requirement (3 hours)  
AN 4123 Anthropological Theory

Computer Literacy (3 Hours)  
AN 4143 Ethnographic Methods **or**  
AN 3513 Artifact Analysis

General Electives (12-15 hours) Consult advisor

#### Total hours needed for major: 128

32 hours of course work must be A&S 3000/4000

\* Consult Advisor.

\*\* See University CORE.

\*\*\* Consult advisor.

\*\*\*\* Course has prerequisite. Please check course description in back of this catalog or consult advisor.

+ Must be from 2 different areas and must cross 4 disciplines over the 18 hours. Only one Economics allowed. Consult advisor.

### SOCIAL WORK (SW)

Program Director: Adele Crudden, Ph. D.  
Office: 218B Bowen Hall

The Social Work Program at Mississippi State University (Starkville campus only) is accredited by the Council on Social Work Education. Social work is both a challenging and rewarding profession with the primary goal of helping people help themselves. The Bachelor of Social Work (BSW) degree is recognized by the profession of social work as the first practice degree. The BSW graduate is prepared to work as a generalist social work practitioner in a variety of practice settings. These include, but are not limited to the following: child welfare service agencies, family services, medical hospitals, mental health clinics, public health clinics, home health agencies, nursing homes, industries, juvenile and family court, shelters for battered women and children, neighborhood and community services.

The social work program incorporates a liberal arts perspective into the social work curriculum. This liberal arts perspective enhances the person-in-environment focus of generalist social work practice. Students wishing to major in social work will be classified as undeclared pre-social work until they are formally admitted into the social work program. The process and criteria for admission into the program include:

1. Cumulative GPA of 2.0
2. Completion of the following social work courses with a minimum grade of "C":  
SW 2303 Social Welfare Policy I  
SW 3013 Human Behavior in the Social Environment I
3. Completion of SW 2213 Intro to Social Work (including 20 hrs of volunteer experience) with a minimum grade of "B";
4. Completion of "Application for Admission";

5. Students must complete an application with three reference letters and complete personal interview with Social Work Admissions Committee prior to enrolling in further social work courses.

Additional courses, as noted in the application for admission form, must be completed prior to petition for admission to the major.

Before enrolling in any social work classes, it is the responsibility of the student to consult with their social work advisor regarding any prerequisites for social work classes.

The criteria for remaining in the program include:

1. Maintain an overall GPA of 2.0, with a 2.5 GPA for all social work courses.
2. Must earn a minimum of a "C" in each social work course.
3. Continue to demonstrate an aptitude for a social work career.
4. Adhere to all academic expectations of the university and the social work program.
5. Adhere to the National Association of Social Workers Code of Ethics.

#### University and College Core

English Composition (6 hours)

EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)

CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)

4 semesters one Foreign Language - see advisor

Humanities (6 hours)

3 hours Literature - see University CORE  
3 hours History - see University CORE

Philosophy (3 hours)

PHI 1103 Introduction to Philosophy **or**  
PHI 1113 Introduction to Logic **or**

Humanities Elective (9 hours)\*

3 hours Literature Elective  
3 hours History Elective  
3 hours Humanities Elective

Mathematics (6 hours)

MA 1313 College Algebra **or**  
MA 1303 Quantitative Algebra  
ST 2113 Stats for Behavioral Sciences

Fine Arts (3 hours)

See A&S Core List

Natural Sciences (9-12 hours)

BIO 1004 Anatomy and Physiology  
3-4 hours Physical Sciences w/lab (CH, GG, PH)\*\*  
3-4 hours Natural Science Elective\*\*\*

Social Sciences (6 hours)

SO 1003 Intro to Sociology  
PS 1113 American Government

Social Sciences Electives (12 hours)

Required:  
SW 3003 Populations at Risk\*  
PSY 1013 General Psychology  
EC 2113 Prin of Macroeconomics

AN 1103 Intro to Anthropology **or**  
AN 1143 Intro to Cultural Anthropology

#### Major Core

(See advisor for course sequencing)

SW 2303 Social Welfare Policy I  
SW 2313 Intro SW/Soc Welfare  
SW 2323 Soc Welfare Policy II\*\*\*\*  
SW 3013 Hum Behav SE\*\*\*\*  
SW 3023 Hum Beh SE II\*\*\*\*  
SW 4613 Child Welfare Service  
SW 3213 Intro Social Research Methods\*\*\*\*  
SW 4623 SW with the Aged **or**  
SW 4633 SW in Health Care **or**  
SW 4643 SW Services in Schools

Students must successfully complete a formal admissions process prior to taking the following courses:

SW 3513 SW Practice I\*\*\*\*  
SW 3523 SW Practice II\*\*\*\*  
SW 3533 SW Practice III\*\*\*\*

Field Work includes full-time placement for one semester in a supervised agency setting.

SW 4916 Field Work Prac\*\*\*\*  
SW 4926 SW Field Work Prac\*\*\*\* II

Writing Requirement (3 hours)

SW 4713 SW Senior Seminar\*\*\*\*

Computer Literacy (3 Hours)

Consult Advisor

General Electives (3 hours)

Consult advisor

#### Total hours needed for major: 132

32 hours of course work must be A&S 3000/4000

\* Consult Advisor.

\*\* See University CORE.

\*\*\* Consult advisor.

\*\*\*\* Course has prerequisite. Please check course description in back of this catalog or consult advisor.

### SOCIOLOGY (SO)

Major Advisor: Professor James Jones  
Office: 210 Bowen Hall

The following degree programs are offered: Bachelor of Arts, Master of Science and Doctor of Philosophy.

Sociology is the scientific study of social life in all of its manifold interrelationships. With an interest in understanding human behavior, sociologists study such special areas as deviant behavior, social organization, stratification, population, community, social institutions, race and ethnic relations, social problems, theory and methods of research.

Sociology majors are well prepared to enter many rewarding positions in the work force right out of college or further graduate training in law, business, community planning, architecture, medicine, politics or academics. Opportunities for employment include, but are not restricted to entry-level positions in administration, advertising, banking, counseling (family planning, career, substance abuse, etc.) health services, journalism, group and recreation work, marketing and market research, sales, teaching, criminal justice, social services and social research. In addition, sociology provides training that other liberal arts majors do not, such as in the basics of human interaction and relationships, and basic training for research analyst positions (in statistics and research methods, which include computer applications, for example).

Students are eligible for membership in the Mississippi Alpha chapter of Alpha Kappa Delta, the International Sociology Honor Society. To be considered for membership, a student must be an officially declared sociology major or demonstrate a serious interest in sociology, must be at least a junior, have at least a 3.00 overall GPA, and must have maintained a 3.00 GPA in sociology courses.

To earn a Bachelor of Arts degree with a major in sociology, a student is required to take thirty-six (36) hours of sociology.

#### Sociology Major with a Specialization Course Requirements

The sociology major consists of a sequence of five levels of courses ranging from introductory to the more advanced and capstone courses. Students are expected to complete courses in the lower levels before taking courses in the next higher levels. For example, students should complete Level I courses before completing Level II courses, etc. The lower courses are prerequisites for the more advanced level courses.

**Selecting a specialization.** There are two types of courses to complete at Level IV, specialization and elective courses. With the assistance of their advisor, students will select the specialization that best fits with their post-graduate plans. Each specialization is described below.

**Population and Environment Specialization.** Students planning to pursue a career in some aspect of business or in some government agencies may want to consider selection this specialization since these courses will focus on information and skills needed in the economic sector of society.

**Family and Gender Studies Specialization.** Students planning to work in private or government agencies that provide personal or social services to various populations in society will want to consider this specialization. The topics covered and the skills developed in these courses will provide much needed background information and understanding for working with persons and groups.

**Socio-Economic Development Specialization.** This specialization was developed for students that anticipate working in the area of socio-economic development at the community, state or national levels. The knowledge and background necessary to work effectively in various private and public organizations/agencies that focus on social and/or economic development is provided. Courses in this area focus on knowledge of the social forces and processes operating in specific environments that may facilitate or inhibit development and foster the ability to analyze relevant information and data.

General Sociology Specialization. Often students wish to obtain a more traditional liberal arts major by selecting courses that interest them personally. This specialization is the logical choice for these students.

**Level I Courses:** Introduction to the Discipline (regarded as part of the University Core)

SO 1003 Introduction to Sociology and  
Any social science core course (AN, CO, EC, GR, PS, PSY, SO)

**Level II Courses: Core Substantive Courses (6 hours)**

**Required: SO 2203 Cultural and Racial Minorities**

Complete any one of the following courses:

SO 3013 Society and the Individual  
SO 3003 Social Inequality  
SO 3053 Organizations in Modern Society

**Level III Courses: Tools and Skills Courses (6 hours)**

SO 3103 Social Theory  
SO 3213 Introduction to Social Research

**Level IV Courses : Specialization and Elective Courses (21 hours)**

Specialization: Take any three courses in one of the Specializations A-D below. (9 hours)

**A. Population & Environment**

SO 4113 Soc Org & Change  
SO 4123 Poverty Analysis  
SO 4173 Environment & Society  
SO 4303 Urban Sociology  
SO 4703 Pop Probs & Processes

**B. Family and Gender Studies**

SO 3323 Contemporary Woman  
SO 4203 Family in the U.S.  
SO 4223 Comparative Family  
SO 4403 Sex Roles & Gender  
SO 4703 Pop Probs & Processes

**C. Socio-Economic Development**

SO 3303 Rural Sociology  
SO 4123 Poverty Analysis  
SO 4173 Environment & Society  
SO 4303 Urban Sociology  
SO 4703 Pop Probs & Processes  
SO 4733 Community: Org & Rels

**D. General Sociology**

Select any three 3000 or 4000 level sociology courses, including any of those not listed above. A minimum of two of these courses must be 4000 level.

Electives: Select four 3000 or 4000 level sociology courses (12 hours). Students are encouraged to take additional courses in their specializations, if offered before the student graduates.

**Level V Course: Capstone (3 hours) Research paper in area of specialization expected.**

SO 4803 Social Research Practice  
Total Sociology Courses: 12 (36 hours)

**Other Requirements:**

It is strongly recommended that all majors take PS 1113 American Government (or 1193), EC 2113 Macro Econ (or 2183), and EC 2123 Micro Econ (or 2193).

**Sociology Minor**

To earn a minor in sociology, a student must take 18 hours of undergraduate sociology courses. SO 1003, 2203, and 3213 are required. The other three SO courses must be the 2000 level or above and include at least one 4000 level SO course.

Students who wish to major or minor in the department should plan their programs with the departmental major advisor as soon as possible after entering the University and should consult with their advisor before each registration period. Programs are arranged individually to combine the most varied advantages consistent with the student's interest and purposes. Persons interested in secondary school teaching may elect sufficient courses in the College of Education to satisfy certification requirements for teaching social studies.

Suggested Course of Study for a general major in Sociology:

**Sociology Major**

**University and College Core**

English Composition (6 hours)  
EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I  
  
EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II  
Public Speaking (3 hours)  
CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication  
Foreign Language (12-14 hours)  
4 semesters one Foreign Language - see advisor  
Humanities (6 hours)  
3 hours Literature - see University CORE  
3 hours History - see University CORE  
Philosophy (3 hours)  
3 hours Elective - see advisor  
Humanities Elective (9 hours)  
Must be from 2 different areas - see A&S Core  
Mathematics (6 hours)  
MA 1313 College Algebra  
ST 3113 Statistics  
Fine Arts (3 hours)  
See A&S Core List  
Natural Sciences (9-12 hours)

3-4 hours Physical Sciences w/lab (CH, GG, PH)\*  
3-4 hours Biological Sciences w/lab (BIO, EPP, PO)\*  
3-4 hours Natural Science Elective\*\*

Social Sciences (6 hours)  
SO 1003 Intro to Sociology  
3 hours See University CORE

Social Sciences Electives (12 hours)\*\*\*  
Consult advisor

**Major Core**

Courses in the major are sequenced by level.

Level I: Intro to the discipline - see social sciences requirement above

Level II: Sociology Substantive Core (6 hours)

SO 2203 Cultural/Racial Minorities  
SO 3003 Social Inequality **or**  
SO 3013 Society and the Individual **or**  
SO 3053 Organizations in Modern Society

Level III: Tools and Skills (6 hours)

SO 3103 Social Theory  
SO 3213 Intro Social Research

Level IV: Specialization and Electives

**Specialization** (9 hours) - any three courses in one of the Specializations A-D mentioned above.

**Electives** (12 hours) - Four 3000 or 4000 level SO courses\*\*\*\*

Level V: Capstone (3 hours)  
(Research paper in area of specialization required.)  
SO 4803 Social Research Practice

Writing Requirement (3 hours)  
SO 3103 Social Theory (see Level III above)

Computer Literacy (3 hours)  
SO 3213 Intro to Social Research (see Level III above)

General Electives (18 hours)  
Consult advisor

**Total hours needed for major: 128**  
(32 hours must be 3000/4000 from A&S)

- \* See University CORE.  
\*\* Consult advisor.  
\*\*\* Must be from 2 different areas and must cross 4 disciplines over the 18 hours. Only one Economics allowed. See advisor. Recommended: PS 1113 or 1193, EC 2113 or 2183, EC 2123 or 2193.  
\*\*\*\* Students are encouraged to take additional courses in their specialization if offered before the student graduates.

### Criminal Justice and Corrections Certificate

Program Director: Dr. Peter B. Wood  
Office: 217 Bowen Hall

The Criminal Justice and Corrections Certificate Program is administered through the Department of Sociology, Anthropology, and Social Work. Participation in this program is available to all departmental majors, as well as those majoring in any other fields (e.g., psychology, political science, computer science, or business).

Criminal Justice and Corrections is an ever expanding field of study. It involves the study of crime, crime control, and the administration of justice. This includes the study of the structure, functions, and decision processes of all administrating components within the system. Components of the system include such things as: Law Enforcement; Criminal Courts; Juvenile Court; Jails; Prisons; Probation; Community-Based Corrections; Parole System. Criminal Justice and Corrections is also inherently linked to the broader study of crime, delinquency, deviant behavior, and social pathology.

The mission of the Criminal Justice and Corrections Certificate Program is to prepare students for challenging careers in the criminal justice/corrections professions. Underlying our mission is a strong commitment to providing students with a solid theoretical foundation of relevant issues, as well as equally important practical information and experiences germane to their professional development. Key in achieving this is our two stage curriculum format where students receive both traditional classroom instruction and experiential training through an internship program. Thus, the Criminal Justice and Corrections Program is designed to provide a broad-based education for students interested in the field of crime and justice studies and to prepare students to assume leadership roles with crime and justice.

#### Sociology Degree/Criminal Justice and Corrections Certificate

##### University and College Core

English Composition (6 hours)  
EN 1103 English Comp I **or**  
EN 1163 Accelerated Comp I

EN 1113 English Comp II **or**  
EN 1173 Accelerated Comp II

Public Speaking (3 hours)  
CO 1003 Fundamentals of Public Speaking **or**  
CO 1093 Honors Oral Communication

Foreign Language (12-14 hours)  
4 semesters one Foreign Language - see advisor

Humanities (6 hours)  
3 hours Literature - see University CORE  
3 hours History - see University CORE

Philosophy (3 hours)  
PHI 1103 Introduction to Philosophy **or**  
PHI 1113 Introduction to Logic **or**  
PHI 1123 Introduction to Ethics

Humanities Elective (9 hours)  
Must be from 2 different areas - see A&S Core

Mathematics (6 hours)  
MA 1313 College Algebra  
ST 2113 Stats for Behavioral Sciences

Fine Arts (3 hours)  
See A&S Core List

Natural Sciences (9-12 hours)  
3-4 hours Physical Sciences w/lab (CH, GG, PH)\*  
3-4 hours Biological Sciences w/lab (BIO, EPP, PO)\*  
3-4 hours Natural Science Elective\*\*

Social Sciences (6 hours)  
See University CORE

Social Sciences Electives (12 hours)\*\*\*  
PSY 1013 General Psychology  
AN 1143 Cultural Anthropology  
6 hours SS electives - see University CORE

##### Major Core

SO 1003 Intro to Sociology\*\*\*\*  
SO 2203 Cultural/Racial Minorities  
SO 3213 Intro Social Research  
SO 3103 Social Theory\*+  
SO 4803 Social Research Practice  
COR 3103 Criminal Justice System  
SO 3603 Criminology  
SO 4233 Juvenile Delinquency  
SO 4513 Correctional Systems  
COR 3310 Field Work I (6 hours)  
COR 3320 Field Work II (6 hours)

6 hours COR Electives

Choose two of the following:  
SO 3313 Deviant Behavior  
SO 3503 Violence in the U.S.  
SO 3343 Gender, Crime, and Justice  
PS 4183 Judicial Processes\*++  
PSY 4213 Psychology of Abnormal Behavior\*++  
PSY 4223 Drug Use and Abuse\*++  
SW 4623 Child Welfare Services

Computer Literacy (3 hours)  
If SO 3213 and SO 3223 are taken, this requirement is fulfilled.

Free Electives  
3-9 hours Consult advisor

**Total hours needed for major: 128**

- \* See University CORE.  
\*\* Consult advisor.  
\*\*\* Must not be Sociology or Cj/COR courses. With Social Science Core, must cross 4 disciplines over the 12 hours. Only one Economics allowed. See advisor.  
\*\*\*\* Satisfies Core Social Science requirement.  
\*+ Satisfies Core Writing Requirement.  
\*++ Satisfies Social Science Electives.

#### Criminal Justice and Corrections Certificate with a major other than Sociology (33 hours)

The Criminal Justice and Corrections Certificate can also be earned in combination with any other degree program from any College. Specific Criminal Justice and Corrections Certificate requirements are as follows:

Required Courses (27 hours)  
SO 2203 Racial and Ethnic Minorities  
COR 3103 Criminal Justice System  
SO 3603 Criminology  
SO 4233 Juvenile Delinquency  
SO 4513 Correctional Systems  
COR 3310 Field Work I (6 hours)  
COR 3320 Field Work II (6 hours)

6 hours Electives - from the following list:  
AN 3313 Human Identification  
SO 3313 Deviant Behavior  
SO 3343 Gender, Crime and Justice  
SO 3503 Violence in the US  
PS 4183 Judicial Processes  
PSY 4213 Psychology of Abnormal Behavior  
PSY 4223 Drug Use and Abuse  
SW 4623 Child Welfare Services

**STATISTICS(ST)**

See Department of MATHEMATICS and STATISTICS

**THEATER**

See Department of COMMUNICATION

**WOMEN'S STUDIES CONCENTRATION**

Contact: Dean of Arts and Sciences  
 Advisors: Dr. Diane Wall and Dr. Kelly Marsh  
 Ellen Bryant Center for Women's Studies  
 Rice Residence Hall

Women's Studies is an academic discipline concerned with the contributions and struggles of women. Mississippi State University uses an interdisciplinary approach to enhance students' knowledge of the effect of women in all fields of study. MSU offers through its College of Arts and Sciences a Women's Studies Concentration of fifteen semester hours of course work to be selected from a specified group of appropriate courses. This concentration is intended to enhance students' sensitivities to issues relating to gender in contemporary societies, with a special focus on American society. Women's Studies' classes, lectures, and special events are open to both women and men. This concentration is an optional grouping in addition to major and core requirements. Completion of approved courses will be recognized by awarding a certificate signed by the chair of the Women's Studies Advisory Committee and the Dean of the College of Arts & Sciences.

To earn a certificate a student must have at least 15 credit hours distributed as follows:

1. Students must complete the introductory course SO/AN/WS 1173 Introduction to Gender Studies.
2. Students must complete at least two (2) of the Core courses.
3. Students must complete an additional two (2) courses. These courses may be from the core or electives; however, only one may be from the additional electives course offerings.
4. Finally, students cannot have more than nine hours from any one department count toward the certificate.

**Approved Courses****Core Courses**

SO/AN/WS 1173 Introduction to Gender Studies  
 SO/AN 3323 Contemporary Woman  
**(Choose at least two Courses)**  
 COE 4743 Gender Issues in Counseling  
 EN 3513 Women and Literature  
 HI 4273 Women in American History  
 PHI 4313 Feminist Interpre of West Social & Polit Phil  
 PS 3033 Gender and Politics  
 PSY 3203 Psychology of Gender Differences  
 SO 4403 Sex Roles and Gender

**Electives (see above)**

HS 3303 Consumer Economics in Counseling  
 HS 4313 Family Resource Management  
 HI 4283 History of Southern Women  
 PSY 4983 Psychology of Aging  
 SO 1203 Marriage and Family

SO/AN 2203 Cultural and Racial Minorities  
 SW 2303 Social Welfare Policy I  
 SW 2313 Intro to Social work and Social Welfare

**Additional Electives**

(Choose no more than one. These courses must be approved by the Women's Studies Advisor)

EDF 3333 Social Foundations of Education  
 HS 3573 Historic Costume  
 HS 4403 Introduction to Gerontology  
 HS 4513 Social-Psychological Aspects of Clothing  
 SO 4203 The Family in the United States  
 3 hours Directed Ind Study (from appropriate dept)

Other Additional Elective courses may be appropriate depending on course content and instructor; please contact the Women's Studies Advisor with questions concerning other options.