

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is, from both historical and functional points of view, the core of the modern university. The College of Arts and Sciences views creativity, inquiry and understanding as among the greatest values in human experience. Thus, it is dedicated to the questioning, creation and transmission of knowledge; to the provision of undergraduate and graduate educational programs that are responsive to the need for an enlightened and productive citizenry; and to the provision of programs and services that enhance the quality of life of the people it serves. These goals compel a commitment to creativity and inquiry free of bias

AEROSPACE STUDIES MINOR (18 HOURS)

AS 3312	(3)	Air Force Leadership Studies I
AS 3313	(3)	Air Force Leadership Studies II
AS 4412	(3)	National Security Affairs/ Preparation for Active Duty I
AS 4413	(3)	National Security Affairs/ Preparation for Active Duty II

Select two three-hour courses from upper-level political science (POL) courses, or substitute upper-level courses from history (HIS), geography (GEO), or social science (SOC) courses with the approval of the Department of Aerospace Studies chair.

ANTHROPOLOGY MINOR (18 HOURS)

ANT 3310	(3)	Cultural Anthropology
ANT 3311	(3)	Physical Anthropology

Select at least 12 hours of additional 3000/4000-level anthropology courses as approved by your faculty adviser.

ARCHIVAL STUDIES MINOR (18 HOURS)

HIS 3360	(3)	Introduction to Archives: Theory and Issues
HIS 3362	(3)	Archival Methods and Practice
HIS 4472	(3)	Records Management
HIS 4473	(3)	Archives Practicum

Select two courses from the following, including at least one at the 4000 level:

GEO/HIS 3316	(3)	History and Geography of Alabama
GEO/SOC 4406	(3)	Urbanism
HIS 4405	(3)	History of the Old South
HIS 4406	(3)	History of the New South
HIS/POL 4441	(3)	American Constitutional Develop.
HIS 4470	(3)	Oral History
HIS 4471	(3)	Local History
MGT 4471	(3)	Organizational Behavior
MGT 4474	(3)	Business and Society
POL 3321	(3)	Introduction to Public Administration
SOC 4433	(3)	The Community
SOC 4435	(3)	Sociology of Complex Organizations

BIOLOGY EDUCATION

Students seeking Alabama teacher certification should select biology as a first major and education as a second major. Students should consult with their advisers concerning all certification requirements.

and based upon the principles of objective scholarship. They require a responsibility to promote and convey those elements of the liberal arts and sciences

BIOLOGY MAJOR (43 HOURS)

Specialized General Studies Requirements

General studies requirements for the biology, environmental science, biomedical sciences, and marine biology programs and the biology major total 64 semester hours. See the General Studies section of this catalog for complete general studies information.

Area III

BIO 1100	(3)	Principles of Biology
BIO L100	(1)	Principles of Biology Lab
CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry I Lab
MTH 1125	(4)	Calculus I

Area V

BIO 1101	(3)	Organismal Biology
BIO L101	(1)	Organismal Biology Lab
CHM 1143	(3)	General Chemistry II
CHM L143	(1)	General Chemistry II Lab
IS 2241	(3)	Computer Concepts and Apps.
TROY 1101	(1)	University Orientation

Select one sequence (physics sequence not required for medical technology concentration):

PHY 2252	(3)	General Physics I
PHY L252	(1)	General Physics I Lab
PHY 2253	(3)	General Physics II
PHY L253	(1)	General Physics II Lab

or

PHY 2262	(3)	Physics I with Calculus
PHY L262	(1)	Physics I with Calculus Lab
PHY 2263	(3)	Physics II with Calculus
PHY 2263	(1)	Physics II with Calculus Lab

Major Requirements

BIO 2229	(3)	General Ecology
BIO L229	(1)	General Ecology Lab
BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology Lab
CHM 3342	(3)	Organic Chemistry I
CHM L342	(1)	Organic Chemistry I Lab
CHM 3343	(3)	Organic Chemistry II
CHM L343	(1)	Organic Chemistry II Lab
MTH 2210	(3)	Applied Statistics

Select one botany course with its corresponding lab:

BIO 3325	(3)	Plant Form and Function
BIO L325	(1)	Plant Form and Function Lab

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BIO 3326	(3)	Plant Diversity
BIO L326	(1)	Plant Diversity Lab
BIO 4402	(4)	Spring Flora
BIO 4425	(4)	Fall Flora

Select one zoology course with its corresponding lab:

BIO 3307	(3)	Invertebrate Zoology
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BIOLOGY, PREPROFESSIONAL MAJOR (55 HOURS)

Specialized General Studies Requirements***Area III (12 Hours)***

BIO 1100	(3)	Principles of Biology
BIO L100	(1)	Principles of Biology Lab
CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry I Lab
MTH 1125	(4)	Calculus I

Area V (20 Hours)

BIO 1101	(3)	Organismal Biology
BIO L101	(1)	Organismal Biology Lab
CHM 1143	(3)	General Chemistry II
CHM L143	(1)	General Chemistry II Lab
IS 2241	(3)	Computer

CHM L342 (1) Organic Chemistry I Lab

BIO L101	(1)	Organismal Biology Lab
CHM 1143	(3)	General Chemistry II
CHM L143	(1)	General Chemistry II Lab
TROY 1101	(1)	University Orientation

Select one series:

PHY 2252	(3)	General Physics I
PHY L252	(1)	General Physics I Lab
PHY 2253	(3)	General Physics II
PHY L253	(1)	General Physics II Lab

or

PHY 2262	(3)	Physics I with Calculus
PHY L262	(1)	Physics I with Calculus Lab
PHY 2263	(3)	Physics II with Calculus
PHY L263	(1)	Physics II with Calculus Lab

ENG 1102 (3) English I
Composition and Modern
English II

Area II

Select one:

ENG 2205 (3) World Literature I
ENG 2206 (3) World Literature II
ENG 2211 (3) American Literature I
ENG 2212 (3) American Literature II
ENG 2244 (3) British Literature I
ENG 2245 (3) British Literature II

Select one:

ART 1133 (2) Visual Arts
DRA 2200 (2) Introduction to Drama

CJ 2231	(3)	Survey of Corrections
CJ 2241	(3)	Survey of Law and Criminal Procedure
CJ 3345	(3)	Criminology
CJ 3352	(3)	Constitutional Law
CJ 3375	(3)	Introduction to Social Scientific Inquiry
CJ 4499	(3)	Senior Seminar

Select 12 additional hours of advanced (2000) or upper-level Criminal Justice courses, as approved by adviser.

CRIMINAL JUSTICE MINOR (18 HOURS)

CJ 1101	(3)	Introduction to Criminal Justice
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Select 15 additional hours of upper-level criminal justice courses as approved by the adviser.

EARTH AND SPACE STUDIES MINOR (18 HOURS)

SCI 3335	(3)	Physical Geology
SCI L335	(1)	Physical Geology Lab
SCI 3336	(3)	Astronomy
SCI 3340	(3)	Marine Science
SCI L340	(1)	Marine Science Lab
SCI 3350	(3)	Weather and Climate
SCI L350	(1)	Weather and Science Lab
SCI 4403	(3)	Conservation

ENGLISH MAJOR (36 HOURS)

Specialized General Studies Requirements

Area V

ENG 2211	(3)	American Literature I
ENG 2212	(3)	American Literature II
ENG 2244	(3)	British Literature I
ENG 2245	(3)	British Literature II
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

Major Requirements

ENG 3341	(3)	Advanced Grammar
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Select an additional 33 hours of upper division courses, at least nine of which are at the 4000 level or above.

• Professional Writing Emphasis

Students at the Montgomery campus may select the Professional Writing Emphasis. In addition to ENG 3341, the following courses are required:

ENG 2260	(3)	Introduction to Technical and Professional Writing
ENG 3345	(3)	Technical and Professional Editing
ENG 3365	(3)	Advanced Technical and Professional Writing
ENG 3366	(3)	Professional Document Design
ENG 4488	(3)	Seminar in Professional Writing Portfolio Design
ENG 4490	(3)	Professional Writing Internship

Select an additional four courses:

ENG 3320	(3)	Introduction to Linguistics
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ENG 3342	(3)	Advanced Composition
ENG 3351	(3)	Creative Writing I
ENG 3352	(3)	Creative Writing II
ENG 4400	(3)	Selected Topics
ENG 4405	(3)	History of English Language

ENGLISH MINOR (18 HOURS)

ENG 3341	(3)	Advanced Grammar
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Select one sequence:

ENG 2211	(3)	American Literature I
ENG 2212	(3)	American Literature II
or		
ENG 2244	(3)	British Literature I
ENG 2245	(3)	British Literature II

Select an additional nine hours of upper division English courses.

ENGLISH MINOR, CREATIVE WRITING (18 HOURS)

ENG 3351	(3)	Introduction to Creative Writing
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Select an additional 15 hours from the following:

ENG 3352	(3)	Advanced Creative Writing I
ENG 3353	(3)	Advanced Creative Writing II
ENG 3354	(3)	Advanced Nonfiction Writing
ENG 3355	(3)	Verse Writing
ENG 3356	(3)	Forms and Theory of Fiction
ENG 4427	(3)	Contemporary Literature
ENG 4489	(3)	Internship

ENGLISH MINOR, PROFESSIONAL WRITING EMPHASIS (18 HOURS)

ENG 2260	(3)	Introduction to Technical and Professional Writing
ENG 3345	(3)	Technical and Professional Editing
ENG 3365	(3)	Advanced Technical and Professional Writing
ENG 3366	(3)	Professional Document Design

Select an additional six hours from the following:

ENG 3320	(3)	Introduction to Linguistics
ENG 3342	(3)	Advanced Composition
ENG 3351	(3)	Creative Writing I
ENG 3352	(3)	Creative Writing II
ENG 4400	(3)	Selected Topics
ENG 4405	(3)	History of English Language

ENGLISH—LANGUAGE ARTS PROGRAM (139 HOURS)

Students seeking Alabama teacher certification should complete the English major and the required courses for language arts, in addition to selecting education as a second major. Students should consult their advisers concerning all certification requirements.

Specialized General Studies Requirements

See the general studies section of this catalog for additional information.

ENG 2206 (3) World Literature II

Select one of the following:

ART 1133 (2) Visual Arts
MUS 1131 (2) Music Appreciation

Area V

ENG 2211 (3) American Literature I
ENG 2212 (3) American Literature II
ENG 2244 (3) British Literature I
ENG 2245 (3) British Literature II
IS 2241 (3) Computer Concepts and Apps.
JRN 1101 (3) Intro. to Mass Communications
TROY 1101 (1) University Orientation

Required Courses for Language Arts

DRA 2211 (1) Theatre for Youth
DRA 2245 (1) Stagecraft Lab
DRA 3301 (2) Acting I
DRA 4451 (3) Directing I
ENG 3341 (3) Advanced Grammar
ENG 3371 (3) Literature for Young Adults
ENG 4342 (3) Advanced Writing
ENG 4405 (3) History of Language
JRN 3326 (3) Advising Student Publications
SPH 3342 (3) Argumentation and Debate
SPH 4441 (2) Oral Interpretation

Select twelve hours of upper division English electives, six of which must be at the 4000 level, three of which may be upper-level creative writing

ENVIRONMENTAL SCIENCE MINOR (18-20 SEMESTER HOURS)

BIO 2202 (3) Principles of Environmental Science
BIO L202 (1) Principles of Environmental Science Lab
BIO 4428 (3) Environmental Pollution and Control
BIO L428 (1) Environmental Pollution and Control Lab

Select 12 hours from the following:

BIO 4451 (3) Toxicology
BIO L451 (1) Toxicology Lab
BIO 4452 (3) Industrial Hygiene
BIO L452 (1) Industrial Hygiene Lab
BIO 4479 (3) Environmental Assessment
BIO L479 (1) Environmental Assessment Lab
BIO 4420 (4) Field Vertebrate Zoology (combined lecture and lab)
BIO 4425 (4) Field Botany or BIO 4402 (combined lecture and lab)
BIO 4476 (1-4) Special Topics (combined lecture and lab)
BIO 4491 (1-4) Guided Independent Research (combined lecture and lab)
CHM 3350 (3) Principles of Physical Chemistry
CHM L350 (1) Principles of Physical Chemistry Lab
CHM 3357 (3) Biochemistry I

CHM L357 (1) Biochemistry I Lab
CHM 4445 (3) Instrumental Analysis
CHM L445 (1) Instrumental Analysis Lab

ENVIRONMENTAL SCIENCE PROGRAM (55 HOURS)

Specialized General Studies Requirements

Area III

BIO 1100 (3) Principles of Biology
BIO L100 (1) Principles of Biology Lab
CHM 1142 (3) General Chemistry I
CHM L142 (1) General Chemistry I Lab
MTH 1125 (4) Calculus I

Area V

IS 2241 (3) Computer Concepts and Apps.
TROY 1101 (1) University Orientation
BIO 1101 (3) Organismal Biology
BIO L101 (1) Organismal Biology Lab
CHM 1143 (3) General Chemistry II
CHM L143 (1) General Chemistry II Lab

Select one sequence (physics sequence not required for medical technology concentration):

PHY 2252 (3) General Physics I
PHY L252 (1) General Physics I Lab
PHY 2253 (3) General Physics II
PHY L253 (1) General Physics II Lab
or
PHY 2262 (3) Physics I with Calculus
PHY L262 (1) Physics I with Calculus Lab
PHY 2263 (3) Physics II with Calculus
PHY L263 (1) Physics II with Calculus Lab

Program Requirements

BIO 2229 (3) General Ecology
BIO L229 (1) General Ecology Lab
BIO 3320 (3) Genetics
BIO L320 (1) Genetics Lab
BIO 3372 (3) Microbiology
BIO L372 (1) Microbiology Lab

BIO L452	(1)	Industrial Hygiene Lab
BIO 4479	(3)	Environmental Assessment
BIO L479	(1)	Environmental Assessment Lab

Select eight hours of approved upper-level courses in approved biology, chemistry or mathematics.

BIO 4488/4489/4490 (1-8) Internship in Environmental Science

FRENCH MINOR (18 HOURS)

Select 18 hours of approved courses in French.

GENERAL EDUCATION A.A. DEGREE (60 HOURS)

Associate of Arts Degree

See the academic regulations section of this bulletin for additional information regarding associate degrees.

Area I

ENG 1101	(3)	Composition and Modern English I
ENG 1102	(3)	Composition and Modern English II

Area II

Select one:

ENG 2205	(3)	World Literature I
ENG 2206	(3)	World Literature II
ENG 2211	(3)	American Literature I
ENG 2212	(3)	American Literature II
ENG 2244	(3)	British Literature I
ENG 2245	(3)	British Literature II

Select one:

ART 1133	(2)	Visual Arts
DRA 2200	(2)	Introduction to Drama
MUS 1131	(2)	Music Appreciation

Select six hours of one foreign language.

Area III

Select one:

HIS 1101	(3)	Western Civilization I
HIS 1102	(3)	Western Civilization II
HIS 1111	(3)	U.S. to 1877
HIS 1112	(3)	U.S. since 1877
HIS 1122	(3)	World History to 1500
HIS 1123	(3)	World History from 1500

Area IV

Select one:

MTH 1102	(3)	Finite Mathematics
MTH 1112	(3)	College Algebra

Select one science course and corresponding lab:

BIO 1100	(3)	Principles of Biology
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BIO L110	(1)	Principles of Biology Lab
SCI 2233	(3)	Physical Science
SCI L233	(1)	Physical Science Lab
SCI 2234	(3)	Earth and Space Science
SCI L234	(1)	Earth and Space Science Lab

Area V

COM 1110	(3)	Effective Communication (Montgomery campus only)
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

Area VI

Select any minor or area of concentration.

Area VII

Select additional free electives to complete a total of 60 hours.

GENERAL EDUCATION A.S. DEGREE (60 HOURS)

Associate of Science Degree

See the academic regulations section of this bulletin for additional information regarding associate degrees.

Area I

ENG 1101	(3)	Composition and Modern English I
ENG 1102	(3)	Composition and Modern English II

Area II

Select one:

ENG 2205	(3)	World Literature I
ENG 2206	(3)	World Literature II
ENG 2211	(3)	American Literature I
ENG 2212	(3)	American Literature II
ENG 2244	(3)	British Literature I
ENG 2245	(3)	British Literature II

Select one:

ART 1133	(2)	Visual Arts
DRA 2200	(2)	Introduction to Drama
MUS 1131	(2)	Music Appreciation

Area III

Select one:

HIS 1101	(3)	Western Civilization I
HIS 1102	(3)	Western Civilization II
HIS 1111	(3)	U.S. to 1877
HIS 1112	(3)	U.S. since 1877
HIS 1122	(3)	World History to 1500
HIS 1123	(3)	World History from 1500

Area IV

Select one:

MTH 1102	(3)	Finite Mathematics
MTH 1112	(3)	College Algebra

Select one science course and corresponding lab:

BIO 1100	(3)	Principles of Biology
BIO L110	(1)	Principles of Biology Lab
SCI 2233	(3)	Physical Science
SCI L233	(1)	Physical Science Lab
SCI 2234	(3)	Earth and Space Science
SCI L234	(1)	Earth and Space Science Lab

Area V

COM 1110	(3)	Effective Communication (<i>Montgomery campus only</i>)
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

Area VI

Select any minor or area of concentration.

Area VII

Select additional free electives to complete a total of 60 hours.

**GEOGRAPHIC INFORMATION SYSTEMS (GIS)
MINOR (18 HOURS)**

GEM 3390	(3)	Introduction to GIS
GEM L390	(1)	Introduction to GIS Lab
GEM 3391	(3)	Applications of GIS
GEM L391	(1)	Applications of GIS Lab
GEM 4499	(2)	Geomatics/GIS Projects

With adviser approval, select a minimum of eight credit hours from one of the four bundles:

Data Collection/Analysis

GEM 2200	(3)	Basics of Cartography and Surveying
GEM L220	(1)	Basics of Cartography and Surveying Lab
GEM 3330	(3)	Advanced Measurement Analysis
GEM L330	(1)	Advanced Measurement Analysis

• EUROPEAN/ASIAN/AFRICAN EMPHASIS**Specialized General Studies Requirements****Area IV**

Select a six hour sequence in western civilization or world history.

Select six hours of additional Area IV courses as specified in the General Studies section of this catalog.

Area V

IS 2241	(3)	Computer Concepts and Apps.
TROY 1101	(1)	University Orientation
HIS 1111	(3)	U.S. to 1877, or placement
HIS 1112	(3)	U.S. since 1877, or placement
GEO 2210	(3)	World Regional Geography

Requirements for the Major

HIS 3375	(3)	Research and Methodology
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MATHEMATICS EDUCATION

Students seeking Alabama teacher certification should select mathematics as a first major and education as a second major. Students should consult with their advisers concerning all certification requirements.

MATHEMATICS MAJOR (38 HOURS)

Specialized General Studies Requirements

Area III

BIO 1100	(3)	Principles of Biology
BIO L110	(1)	Principles of Biology Lab

Select a four hour course/lab combination from the following:

CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry I Lab
PHY 2252	(3)	General Physics I

