



## MATH AND SCIENCES

### Biological Science

#### Division of Mathematics and Science

The courses in biological science are designed to meet the needs of the general student wishing to secure an understanding of the fundamental biological principles for a better understanding of life and for students desiring to prepare for teaching and research, for graduate study and for medicine and related fields.

For more about courses in this department, go to the Course Descriptions.

#### Degrees

Students should select courses with the approval of a departmental advisor in order to fulfill the requirements of the four-year institution to which they plan to transfer.

- Associate of Science

#### Biology Foundation—25 HOURS

BOT	1104	General Botany
CHEM	1024	General Chemistry II
CHEM	2104	Organic Chemistry I
CHEM	2114	Organic Chemistry II
MATH	2233	Applied Statistics
ZOOL	1204	Principles of Zoology
General Elective (2 hours)		

#### Department

Botany
Chemistry
Chemistry
Chemistry
Mathematics
Zoology

### Chemistry

#### Division of Mathematics and Science

The courses in chemistry are designed to give students a strong foundation for more advanced study, to prepare students for employment, and to provide the proper background and requirements for teaching careers. Courses are also designed to provide the necessary chemistry foundation for pre-engineers and students of science.

For more about courses in this department, go to the Course Descriptions.

#### Degrees

Students should select courses with the approval of a departmental advisor in order to fulfill the requirements of the four-year institution to which they plan to transfer.

- Associate of Science

#### Chemistry Foundation—25 HOURS

CHEM	1024	General Chemistry II
CHEM	2104	Organic Chemistry I
CHEM	2114	Organic Chemistry II
MATH	1033	Plane Trigonometry
MATH	2205	Calculus I
MATH	2215	Calculus II

#### Department

Chemistry
Chemistry
Chemistry
Mathematics
Mathematics
Mathematics





## Environmental Science—AS

### Division of Mathematics and Science

Upon completion of the Associate of Science in Environmental Science degree, students can transfer to a 4-year institution for a Bachelor of Environmental Science. Students completing the degree will have satisfied the general education requirements for ASU-Jonesboro and UCA.

## ASSOCIATE OF SCIENCE ENVIRONMENTAL SCIENCE

Total Program = 60 Credit Hours

The fourth digit in the course number indicates the number of credit hours.

### UNIVERSITY REQUIREMENT—1 OR 3 HOURS

#### University—1 HOUR or 3 HOURS

UNIV	1001	Principles of Academic Success I
UNIV	1003	Principles of Academic Success III

#### Department

University
University

*The 3-hour credit course is required for students who must take at least one remedial course. Students who are not required to take a remedial course may take the 3-hour credit course. In both situations, the courses (1-hour or 3-hour) count toward electives.*

### GENERAL EDUCATION CORE—35 HOURS

#### English/Communications—9 HOURS

ENG	1003	Freshman English I (C or better)
ENG	1013	Freshman English II (C or better)
SPCH	1203	Oral Communications

#### Department

English
English
Speech

#### Literature—3 HOURS. *Choose one below.*

ENG	2003	World Literature I
ENG	2013	World Literature II

#### Department

English
English

#### Fine Arts/Humanities—3 HOURS. *Choose one below.*

ART	2503	Fine Arts-Visual
MUS	2503	Fine Arts-Musical
THEA	2503	Fine Arts-Theatre
THEA	2513	Fine Arts-Film
HUM	2003	Introduction to Humanities I
HUM	2003	Introduction to Humanities I

#### Department

Art
Music
Theatre
Theatre
Humanities
Humanities

#### U.S. History/Government —3 HOURS. *Choose one below.*

POSC	2103	Introduction to U.S. Government*
HIST	2763	The U.S. to 1876
HIST	2773	The U.S. Since 1876

#### Department

Political Science
History
History

#### World History—3 HOURS. *Choose one below.*

HIST	1013	World Civilization to 1660
HIST	1023	World Civilization since 1660

#### Department

History
History





University Catalog 2016-17

**Social or Behavioral Science Requirement—3 HOURS**

GEOG 2613 Introduction to Geography\*

**Department**  
Geography

**Mathematics—3 HOURS**

MATH 1023 College Algebra (or higher)

**Department**  
Mathematics

**Life Science—4 HOURS. Choose one below.**

BIOL 1014 Principles of Biology

**Department**  
Biology

**Physical Science—4 HOURS. Choose one below.**

CHEM 1014 General Chemistry I\*

**Department**  
Chemistry

\*These courses serve as prerequisites for upper level coursework.

**SCIENCE CORE—15 HOURS**

ZOOL 1204 Principles of Zoology

**Department**

BOT 1104 General Botany

Zoology

CHEM 1024 Chemistry II

Botany

MATH 2233 Applied Statistics

Chemistry

Mathematics

**COURSES APPROPRIATE TO THE TRANSFER SCHOOL—10 HOURS**

**Department**

Select a minimum of 10 hours from the following courses to earn the Associate of Science in Environmental Science. Transfer institutions have different requirements for each area of emphasis. Students should select courses with the approval of a departmental advisor in order to fulfill the requirements of the four-year institution to which they plan to transfer.

BIOL 2104 Microbiology

Biology

ESCI 1004 Introduction to Environmental Science

Environmental Science

ESCI 2233 Internship

Environmental Science

GEOG 1233 Introduction to GIS

Geography

MATH 2205 Calculus I

Mathematics

PHSC 1304 Earth Science

Physical Science

POSC 2213 Legal Aspects of Environmental Management

Political Science

**Environmental Biology**

**Division of Mathematics and Science**

For more about courses in this department, go to the Course Descriptions.

**Degrees**

Students should select courses with the approval of a departmental advisor in order to fulfill the requirements of the four-year institution to which they plan to transfer.

- Associate of Science

**Recommended Core—8 HOURS**

BIOL 1014 Principles of Biology

**Department**

CHEM 1014 General Chemistry I

Biology

Chemistry





## Mathematics

### Division of Mathematics and Science

The courses in mathematics are designed to give students a strong foundation for more advanced study, to prepare students for employment, and to provide the proper background and requirements for teaching careers. Courses are also designed to provide the necessary mathematics foundation for pre-engineers and students of science.

For more about courses in this department, go to the Course Descriptions.

### Degrees

Students should select courses with the approval of a departmental advisor in order to fulfill the requirements of the four-year institution to which they plan to transfer.

- Associate of Science

### Mathematics Foundation—25 HOURS

MATH 1033 Plane Trigonometry  
 MATH 2205 Calculus I  
 MATH 2215 Calculus II  
 General Elective (12 hours)

### Department

Mathematics  
 Mathematics  
 Mathematics

## Physical Science

### Division of Mathematics and Science

The courses in physical science are designed to provide students with the broad background necessary for employment in industry and education or as a basis for continued study.

For more about courses in this department, go to the Course Descriptions.

### Degrees

Students should select courses with the approval of a departmental advisor in order to fulfill the requirements of the four-year institution to which they plan to transfer.

- Associate of Science

### Mathematics Foundation—25 HOURS

MATH 1033 Plane Trigonometry  
 MATH 2205 Calculus I  
 MATH 2215 Calculus II  
 PHYS 2084 University Physics II  
 General Elective (8 hours)

### Department

Mathematics  
 Mathematics  
 Mathematics  
 Physics

