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

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Title</th>
<th>Department</th>
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<tr>
<td>BOT</td>
<td>1104</td>
<td>General Botany</td>
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<tr>
<td>CHEM</td>
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<td>General Chemistry II</td>
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<td>2104</td>
<td>Organic Chemistry I</td>
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<tr>
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</tr>
<tr>
<td>MATH</td>
<td>2233</td>
<td>Applied Statistics</td>
<td>Mathematics</td>
</tr>
<tr>
<td>ZOOL</td>
<td>1204</td>
<td>Principles of Zoology</td>
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<td>General Elective (2 hours)</td>
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</table>

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

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<td>Calculus I</td>
<td>Mathematics</td>
</tr>
<tr>
<td>MATH</td>
<td>2215</td>
<td>Calculus II</td>
<td>Mathematics</td>
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</table>
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  Department
UNIV 1001 Principles of Academic Success I  University
UNIV 1003 Principles of Academic Success III  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  Department
ENG 1003 Freshman English I (C or better)  English
ENG 1013 Freshman English II (C or better)  English
SPCH 1203 Oral Communications  Speech

Literature—3 HOURS. Choose one below.  Department
ENG 2003 World Literature I  English
ENG 2013 World Literature II  English

Fine Arts/Humanities—3 HOURS. Choose one below.  Department
ART 2503 Fine Arts-Visual  Art
MUS 2503 Fine Arts-Musical  Music
THEA 2503 Fine Arts-Theatre  Theatre
THEA 2513 Fine Arts-Film  Theatre
HUM 2003 Introduction to Humanities I  Humanities
HUM 2003 Introduction to Humanities I  Humanities

U.S. History/Government —3 HOURS. Choose one below.  Department
POSC 2103 Introduction to U.S. Government*  Political Science
HIST 2763 The U.S. to 1876  History
HIST 2773 The U.S. Since 1876  History

World History—3 HOURS. Choose one below.  Department
HIST 1013 World Civilization to 1660  History
HIST 1023 World Civilization since 1660  History
Social or Behavioral Science Requirement—3 HOURS  
   GEOG  2613  Introduction to Geography*  
Mathematics—3 HOURS  
   MATH  1023  College Algebra (or higher)  
Life Science—4 HOURS. Choose one below.  
   BIOL  1014  Principles of Biology  
Physical Science—4 HOURS. Choose one below.  
   CHEM  1014  General Chemistry I*  
*These courses serve as prerequisites for upper level coursework.

SCIENCE CORE—15 HOURS  
   ZOOL  1204  Principles of Zoology  
   BOT  1104  General Botany  
   CHEM  1024  Chemistry II  
   MATH  2233  Applied Statistics  

COURSES APPROPRIATE TO THE TRANSFER SCHOOL—10 HOURS  
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  
   ESCI  1004  Introduction to Environmental Science  
   ESCI  2233  Internship  
   GEOG  1233  Introduction to GIS  
   MATH  2205  Calculus I  
   PHSC  1304  Earth Science  
   POSC  2213  Legal Aspects of Environmental Management

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  
   CHEM  1014  General Chemistry I  

Department
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

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<td>MATH 2205</td>
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<tr>
<td>MATH 2215</td>
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General Elective (12 hours)

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

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General Elective (8 hours)