



2+2 Degree Plan

Associate of Science in Environmental Science BS in Environmental Science (Biology Track)



Arkansas State University – Beebe Associate of Science in Environmental Science¹

| Possible Prerequisites | | | Semester | Hours | Grade |
|------------------------|------|--|----------|-------|-------|
| UNIV | 1003 | Principles of Academic Success (required if registering for a remedial course) | | (3) | |
| ENG | 0013 | Precollege Literacy | | N/C | |
| ENG | 0023 | College Literacy (taken simultaneously with ENG 1003 – Freshman English I) | | N/C | |
| MATH | 0013 | Foundations of Algebra I | | N/C | |
| MATH | 0023 | Foundations of Algebra II | | N/C | |

General Education Requirements (35 credit hours)

| English/Communication (12 credit hours) | | | UCA ² | Semester | Hours | Grade |
|---|------|-----------------------|------------------|----------|-------|-------|
| ENG | 1003 | Freshman English I | WRTG 1310 | | 3 | |
| ENG | 1013 | Freshman English II | WRTG 1320 | | 3 | |
| SPCH | 1203 | Oral Communications | SPCH 1300 | | 3 | |
| ENG | 2003 | World Literature I or | ENGL 2305 | | 3 | |
| ENG | 2013 | World Literature II | ENGL 2306 | | | |

| Mathematics (3 credit hours) ³ | | | UCA | Semester | Hours | Grade |
|---|------|-----------------|-----------|----------|-------|-------|
| MATH | 1023 | College Algebra | MATH 1390 | | 3 | |

| Lab Sciences (8 credit hours) | | | UCA | Semester | Hours | Grade |
|-------------------------------|------|-----------------------|-----------|----------|-------|-------|
| BIOL | 1014 | Principles of Biology | BIOL 1440 | | 4 | |
| CHEM | 1014 | General Chemistry I | CHEM 1450 | | 4 | |

| Fine Arts (3 credit hours) | | | UCA | Semester | Hours | Grade |
|----------------------------|------|---------------------------------|-----------------------------------|----------|-------|-------|
| ART | 2503 | Fine Arts – Visual or | ART 2300 MUS 2300 THEA 2300 | | 3 | |
| MUS | 2503 | Fine Arts – Musical or | | | | |
| THEA | 2503 | Fine Arts – Theatre or | | | | |
| THEA | 2003 | Introduction to Humanities I or | | | | |
| HUM | 2013 | Introduction to Humanities II | | | | |

| Social Sciences (6 credit hours) ⁴ | | | UCA | Semester | Hours | Grade |
|---|------|--|-----------|----------|-------|-------|
| HIST | 2763 | The United States to 1876 or | HIST 2301 | | 3 | |
| HIST | 2773 | The United States Since 1876 or | HIST 2302 | | | |
| POSC | 2103 | Introduction to United States Government | PSCI 1330 | | | |
| HIST | 1013 | World Civilization to 1660 or | HIST 1310 | | 3 | |
| HIST | 1023 | World Civilization since 1660 | HIST 1320 | | | |

| Social or Behavioral Science Elective (3 credit hours) | | | UCA | Semester | Hours | Grade |
|--|------|---------------------------|-----------|----------|-------|-------|
| GEOG | 2613 | Introduction to Geography | GEOG 1305 | | 3 | |

Environmental Science Core (25 credit hours)⁵

| | | | UCA | Semester | Hours | Grade |
|------|------|-----------------------|-----------|----------|-------|-------|
| BOT | 1104 | General Botany | | | 4 | |
| CHEM | 1024 | General Chemistry II | CHEM 1451 | | 4 | |
| MATH | 1033 | Plane Trigonometry | MATH 1392 | | 3 | |
| MATH | 2205 | Calculus I | MATH 1496 | | 5 | |
| PHSC | 1304 | Earth Science | GEOG 1400 | | 4 | |
| ZOOL | 1204 | Principles of Zoology | | | 4 | |
| | | General Elective | | | 1 | |

Total Hours: 60⁶



2+2 Degree Plan
Associate of Science in Environmental Science
BS in Environmental Science (Biology Track)



University of Central Arkansas
Bachelor of Science in Environmental Science (Biology Track)
UCA Courses (60 credit hours)⁷

| Environmental Science Core (17 hours) | | | Semester | Hours | Grade |
|--|------|--------------------------------------|-----------------|--------------|--------------|
| GEOG | 3301 | Conservation of Natural Resources | | 3 | |
| ENVR | 3410 | Environmental Theory and Application | | 4 | |
| ENVR | 4410 | Environmental Practicum | | 4 | |
| MATH | 2311 | Statistical Methods I | | 3 | |
| PSCI | 3320 | Environmental Policy and Regulation | | 3 | |

| Biology Core (12 hours) | | | Semester | Hours | Grade |
|--------------------------------|------|---------------------|-----------------|--------------|--------------|
| BIOL | 2490 | Genetics | | 4 | |
| BIOL | 3403 | General Ecology | | 4 | |
| CHEM | 2401 | Organic Chemistry I | | 4 | |

| Major Electives (31 hours) | | | Semester | Hours | Grade |
|-----------------------------------|--|---|-----------------|--------------|--------------|
| | | Biology Track Elective (From Approved List – See Major Advisor) | | 4 | |
| | | Biology Track Elective (From Approved List – See Major Advisor) | | 4 | |
| | | Biology Track Elective (From Approved List – See Major Advisor) | | 4 | |
| | | Biology Track Elective (From Approved List – See Major Advisor) | | 3 | |
| | | Taxonomic Elective (From Approved List – See Major Advisor) | | 4 | |
| | | Taxonomic Elective (From Approved List – See Major Advisor) | | 4 | |
| | | Theory Elective (From Approved List – See Major Advisor) | | 4 | |
| | | Theory Elective (From Approved List – See Major Advisor) | | 4 | |

Total Hours: 120⁸

¹ See your ASU-Beebe advisor for degree and graduation information.

² UCA transfer course designations are either guaranteed by ACTS (acts.adhe.edu) or have been approved as a substitution by UCA. Unless otherwise noted, courses for which no UCA equivalent course is listed would transfer in as elective credit.

³ Any student who has already earned College Algebra (MATH 1023) credit is encouraged to start in Plane Trigonometry (MATH 1033).

⁴ Students following this degree plan will need to choose POSC 2103 as one of the courses to fulfill this requirement.

⁵ UCA will accept both BOT 1104 and ZOOL 1204 as a substitute for BIOL 1441 – Principles of Biology II.

⁶ Students completing the AS in Environmental Science degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core requirements and will be admitted to the BS in Environmental Science (Biology Track) degree program as a junior.

⁷ For more specific information about degree requirements within the junior and senior years at UCA, please review the UCA Undergraduate Bulletin (<http://uca.edu/ubulletin>) and consult your UCA academic advisor.

⁸ This degree program requires a total of 120 semester credit hours, including at least 40 upper-division credit hours completed at UCA.