



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



Arkansas State University - Beebe¹
Associate of Science in Environmental Science²

| Possible Prerequisites | | | Semester | Hours | Grade |
|------------------------|------|--|----------|-------|-------|
| UNIV | 1003 | Principles of Academic Success III (required if registering for a remedial course) | | (3) | |
| ENG | 0013 | Precollege Literacy | | N/C | |
| ENG | 0023 | College Literacy (taken with ENG 1003 – Freshman English I) | | N/C | |
| MATH | 0012 | Review for College Algebra (taken with MATH 1023 – College Algebra) | | N/C | |
| MATH | 0013 | Foundations of Algebra I | | N/C | |

General Education Requirements (35 credit hours)

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

| Mathematics (3 credit hours) | | | 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 | Choose one: Fine Arts - Visual | ART 2300 | | 3 | |
| MUS | 2503 | Fine Arts - Musical | MUS 2300 | | | |
| THEA | 2503 | Fine Arts – Theatre (or other ASES Fine Arts) | THEA 2300 | | | |

| Social Sciences (6 credit hours) | | | UCA | Semester | Hours | Grade |
|----------------------------------|------|--|-----------|----------|-------|-------|
| POSC | 2103 | Introduction to United States Government | PSCI 1330 | | 3 | |
| HIST | 1013 | Choose one: World Civilization to 1660 | 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)⁴

| | | | UCA | Semester | Hours | Grade |
|------|------|----------------------|-----------|----------|-------|-------|
| CHEM | 1024 | General Chemistry II | CHEM 1451 | | 4 | |
| CHEM | 2104 | Organic Chemistry I | CHEM 2401 | | 4 | |
| CHEM | 2114 | Organic Chemistry II | CHEM 3411 | | 4 | |
| MATH | 1033 | Plane Trigonometry | MATH 1392 | | 3 | |
| MATH | 2205 | Calculus I | MATH 1496 | | 5 | |
| MATH | 2215 | Calculus II | MATH 1497 | | 5 | |

Total Hours: 60⁵



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



University of Central Arkansas
Bachelor of Science in Environmental Science (Chemistry)
UCA Courses (60 credit hours)⁶

| Environmental Science Core (22 hours) | | | Semester | Hours | Grade |
|--|------|--|-----------------|--------------|--------------|
| BIOL | 1441 | Principles of Biology II | | 4 | |
| GEOG | 1400 | Earth Systems Science | | 4 | |
| GEOG | 3301 | Conservation of Natural Resources (UD UCA Core: R) | | 3 | |
| ENVR | 3410 | Environmental Theory & Application (UD UCA Core: C, D) | | 4 | |
| ENVR | 4410 | Environmental Practicum (UD UCA Core: Z) | | 4 | |
| PSCI | 3320 | Environmental Policy & Regulation (UD UCA Core: I, R) | | 3 | |

| Chemistry Core (23 hours) | | | Semester | Hours | Grade |
|----------------------------------|------|------------------------------------|-----------------|--------------|--------------|
| CHEM | 3211 | Organic Spectroscopy | | 2 | |
| CHEM | 3520 | Quantitative Analysis | | 5 | |
| CHEM | 4152 | Environmental Chemistry Laboratory | | 1 | |
| CHEM | 4351 | Environmental Chemistry | | 3 | |
| CHEM | 4451 | Advanced Analytical Chemistry | | 4 | |
| | | Choose one: | | | |
| PHYS | 1410 | College Physics 1 | | 4 | |
| PHYS | 1441 | University Physics 1 | | | |
| | | Choose one: | | | |
| PHYS | 1420 | College Physics 2 | | 4 | |
| PHYS | 1442 | University Physics 2 | | | |

| Major Electives (10 hours) | | | Semester | Hours | Grade |
|-----------------------------------|--|---|-----------------|--------------|--------------|
| | | Upper Division Restricted Elective (From Approved List – See Major Advisor) | | 3 | |
| | | Upper Division Restricted Elective (From Approved List – See Major Advisor) | | 3 | |
| | | Upper Division Restricted Elective (From Approved List – See Major Advisor) | | 3 | |
| | | Upper Division Restricted Elective (From Approved List – See Major Advisor) | | 1 | |

| General Electives (5 hours) | | | Semester | Hours | Grade |
|------------------------------------|--|----------------------------|-----------------|--------------|--------------|
| | | Upper Division Core Course | | 3 | |
| | | General Elective | | 2 | |

Total Hours: 120⁷

¹ Please see your ASUB advisor for degree and graduation information.

² Agreement requirements are guaranteed in accordance with the academic year of initial enrollment at ASUB, not to precede the academic year during which the agreement first took effect. A period of non-enrollment of 12 months or more requires that the student adhere to the agreement revision corresponding with the academic year of re-enrollment.

³ UCA course is either guaranteed by ACTS (acts.adhe.edu) or by UCA Department Chair approval (if blank, elective credit will be awarded).

⁴ UCA will accept both BOT 1104 and ZOO 1204 as a substitute for BIOL 1441 - Principles of Biology II.

⁵ 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 and will be admitted to the BS in Environmental Science (Chemistry) degree program as a junior.

⁶ In order to receive important communications about transferring to UCA, students are encouraged to create a UCA student account at gopurple.uca.edu. For more information about the 2+2 program, students may also send email inquiries to ucatransfer@uca.edu.

⁷ This agreement requires 120 credit hours as follows: maximum 60 at ASUB and remaining 60 at UCA (40 of which must be upper-division).