

## 2+2 Degree Plan

### Associate of Science in Environmental Science BS in Environmental Science (Chemistry Track)

### Arkansas State University – Beebe Associate of Science in Environmental Science<sup>1</sup>

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 <sup>2</sup>	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) <sup>3</sup>			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) <sup>4</sup>			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)

			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: **60<sup>5</sup>**



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



**University of Central Arkansas**  
**Bachelor of Science in Environmental Science (Chemistry Track)**  
**UCA Courses (60 credit hours)<sup>6</sup>**

<b>Environmental Science Core (22 hours)<sup>7</sup></b>			<b>Semester</b>	<b>Hours</b>	<b>Grade</b>
BIOL	1441	Principles of Biology II		4	
GEOG	14XX	Earth Systems Science		4	
GEOG	3301	Conservation of Natural Resources		3	
ENVR	3410	Environmental Theory and Application		4	
ENVR	4410	Environmental Practicum		4	
PSCI	3320	Environmental Policy and Regulation		3	

<b>Chemistry Core (23 hours)</b>			<b>Semester</b>	<b>Hours</b>	<b>Grade</b>
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	
PHYS	1410	College Physics 1 or		4	
PHYS	1441	University Physics 1			
PHYS	1420	College Physics 2		4	
PHYS	1442	University Physics 2			

<b>Major Electives (10 hours)</b>			<b>Semester</b>	<b>Hours</b>	<b>Grade</b>
		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	

<b>General Electives (5 hours)</b>			<b>Semester</b>	<b>Hours</b>	<b>Grade</b>
		Upper Division General Elective		3	
		General Elective		2	

**Total Hours: 120<sup>8</sup>**

<sup>1</sup> See your ASU-Beebe advisor for degree and graduation information.

<sup>2</sup> 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.

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

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

<sup>5</sup> 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 (Chemistry Track) degree program as a junior.

<sup>6</sup> 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.

<sup>7</sup> GEOG 14XX – Earth Systems Science (pending ADHE approval).

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