



**2+2 Degree Plan**  
**Associate of Science in Liberal Arts and Sciences**  
**BS in Environmental Science (Chemistry)**



**Arkansas State University - Newport<sup>1</sup>**  
**Associate of Science in Liberal Arts and Sciences<sup>2</sup>**

Possible Prerequisites			Semester	Hours	Grade
ENG	0051	Writing Seminar		N/C	
ENG	0053	English Fundamentals		N/C	
MATH	0021	Foundations of Mathematical Reasoning		N/C	
MATH	0083	Mathematical Fundamentals		N/C	
UNIV	1001	College and Life Skills		N/C	

**General Education Requirements (35 credit hours)**

English/Communication (9 credit hours)			UCA <sup>3</sup>	Semester	Hours	Grade
ENG	1003	Composition I	WRTG 1310		3	
ENG	1013	Composition II	WRTG 1320		3	
SPCH	1203	Oral Communications	COMM 1300		3	

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	2214	Biology of the Cell and Lab	BIOL 1440		4	
CHEM	1014	General Chemistry I and Lab	CHEM 1450		4	

Fine Arts/Humanities (6 credit hours)			UCA	Semester	Hours	Grade
ART	2503	<b>Choose one:</b> Fine Arts – Visual	ART 2300		3	
MUS	2503	Fine Arts – Musical	MUS 2300			
THEA	2503	Fine Arts – Theatre <i>(or other ASLAS Fine Arts)</i>	THEA 2300			
ENG	2003	<b>Choose one:</b> Introduction to Literature of the Western World I	ENGL 2305		3	
ENG	2013	Introduction to Literature of the Western World II <i>(or other ASLAS Humanities)</i>	ENGL 2306			

Social Sciences (9 credit hours)			UCA	Semester	Hours	Grade
POSC	2103	Introduction to United States Government	PSCI 1330		3	
HIST	1013	<b>Choose one:</b> World Civilization to 1660	HIST 1310		3	
HIST	1023	World Civilization since 1660	HIST 1320			
GEOG	2613	<b>Choose one:</b> Introduction to Geography	GEOG 1305		3	
PSY	2013	Introduction to Psychology	PSYC 1300			
SOC	2213	Principles of Sociology <i>(or other ASLAS Social Science)</i>	SOC 1300			

**Environmental Science Core (25 credit hours)<sup>4</sup>**

			Semester	Hours	Grade	
BIOL	1034	Biology of Plants and Lab	BIOL ELECT		4	
BIOL	1054	Biology of Animals and Lab	BIOL ELECT		4	
CHEM	1024	General Chemistry II and Lab	CHEM 1451		4	
MATH	1033	Plane Trigonometry	MATH 1392		3	
PHSC	1104	Earth Science with Lab	GEOG 1400		4	
MATH	2204	Calculus I	MATH 1496		4	
		<i>ASLAS Approved Elective</i>			2	

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

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

Environmental Science Core (26 hours)			Semester	Hours	Grade
CHEM	2401	Organic Chemistry I		4	
CHEM	3411	Organic Chemistry II		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	
MATH	1497	Calculus II		4	
PSCI	3320	Environmental Policy (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	
PHYS	1410	<b>Choose one:</b> College Physics 1		4	
PHYS	1441	University Physics 1			
PHYS	1420	<b>Choose one:</b> 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 Elective (1 hour)			Semester	Hours	Grade
		General Elective		1	

Total Hours: 120<sup>7</sup>

<sup>1</sup> Please see your ASUN advisor for degree and graduation information.

<sup>2</sup> Agreement requirements are guaranteed in accordance with the academic year of initial enrollment at ASUN, 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.

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

<sup>4</sup> UCA will accept both BIOL 1033/31 and BIOL 1053/51 as a substitute for BIOL 1441 - Principles of Biology II.

<sup>5</sup> Students completing the AS in Liberal Arts and Sciences 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.

<sup>6</sup> In order to receive important communications about transferring to UCA, students are encouraged to create a UCA student account at [gopurple.uca.edu](mailto:gopurple.uca.edu). For more information about the 2+2 program, students may also send email inquiries to [ucatransfer@uca.edu](mailto:ucatransfer@uca.edu).

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