



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



Arkansas State University - Newport¹
Associate of Science in Liberal Arts and Sciences²

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 ³	Semester	Hours	Grade
ENG	1003	Composition I	WR TG 1310		3	
ENG	1013	Composition II	WR TG 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	Choose one: Fine Arts – Visual	ART 2300		3	
MUS	2503	Fine Arts – Musical	MUS 2300			
THEA	2503	Fine Arts – Theatre (or other ASLAS Fine Arts)	THEA 2300			
ENG	2003	Choose one: Introduction to Literature of the Western World I	ENGL 2305		3	
ENG	2013	Introduction to Literature of the Western World II (or other ASLAS Humanities)	ENGL 2306			

Social Sciences (9 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			
GEOG	2613	Choose one: Introduction to Geography	GEOG 1305		3	
PSY	2013	Introduction to Psychology	PSYC 1300			
SOC	2213	Principles of Sociology (or other ASLAS Social Science)	SOC 1300			

Environmental Science Core (25 credit hours)⁴

			Semester	Hours	Grade	
BIOL	1034	Biology of Plants and Lab and	BIOL		4	
BIOL	1054	Biology of Animals and Lab	BIOL 1441		4	
CHEM	1024	General Chemistry II and Lab	CHEM 1451		4	
MATH	1033	Plane Trigonometry	MATH 1392		3	
MATH	2204	Calculus I	MATH 1496		4	
PHSC	1104	Earth Science with Lab	GEOG 1400		4	
		ASLAS Approved Elective			2	

Total Hours: 60⁵

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

Environmental Science Core (26 hours)			Semester	Hours	Grade
CHEM	2401	Organic Chemistry I		4	
CHEM	3411	Organic Chemistry II		4	
ENVR	3410	Environmental Theory & Application (UD UCA Core: C, D)		4	
ENVR	4410	Environmental Practicum (UD UCA Core: Z)		4	
GEOG	3301	Conservation of Natural Resources (UD UCA Core: R)		3	
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	Choose one: College Physics 1		4	
PHYS	1441	University Physics 1			
PHYS	1420	Choose one: 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: 120⁷

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

² 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.

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 BIOL 1034 and BIOL 1054 as a substitute for BIOL 1441 - Principles of Biology II.

⁵ 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.

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 ASUN and remaining 60 at UCA (40 of which must be upper-division).