



2+2 Degree Plan Checklist
Associate of Science in Liberal Arts and Sciences
Bachelor of Science in Chemistry (ACS Certified)



Arkansas State University - Beebe¹
Associate of Science in Liberal Arts and Sciences²

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	0123	Pre-College Algebra		N/C	
MATH	0112	Review for College Algebra (taken with MATH 1023 – College Algebra)		N/C	
MATH	0042	Review for Quantitative Literacy (taken with MATH 1043 – Quantitative Literacy)		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			
PHIL	1103	Introduction to Philosophy	PHIL 1301			

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 <i>(or other ASLAS Fine Arts)</i>	THEA 2300			

Social Sciences (6 credit hours)			UCA	Semester	Hours	Grade
HIST	2763	Choose one: The United States to 1876	HIST 2301		3	
HIST	2773	The United States since 1876	HIST 2302			
POSC	2103	Introduction to United States Government	PSCI 1330			
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	Choose one: 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			

Chemistry Foundation (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: 60⁴



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University of Central Arkansas
Bachelor of Science in Chemistry (ACS Certified)
UCA Courses (60 credit hours)⁵

			Semester	Hours	Grade
CHEM	3150	Advanced Inorganic Laboratory		1	
CHEM	3211	Organic Spectroscopy		2	
CHEM	3360	Intermediate Inorganic Chemistry			
CHEM	4335	Biochemistry II			
CHEM	4351	Environmental Chemistry		3	
CHEM	4385	Topics in Advanced Chemistry			
CHEM	3520	Quantitative Analysis		5	
CHEM	4320	Biochemistry I		3	
CHEM	4112	Seminar		1	
CHEM	4380	Advanced Inorganic Chemistry		3	
CHEM	4450	Physical Chemistry I		4	
CHEM	4451	Advanced Analytical Chemistry		4	
CHEM	4460	Physical Chemistry II		4	
MATH	2471	Calculus III		4	
MATH	3331	Ordinary Differential Equations I (UD UCA Core: C)		3	
PHYS	1441	University Physics 1		4	
PHYS	1442	University Physics 2		4	
		Research		1	
		Research		1	
		Upper Division Core (UD UCA Core: D)		3	
		Upper Division Core (UD UCA Core: I)		3	
		Upper Division Core (UD UCA Core: R)		3	
		General Elective		3	
		General Elective		1	

Total Hours: 120⁶

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 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 Chemistry (ACS Certified) degree program as a junior.

⁵ 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.

⁶ This agreement requires 120 credit hours as follows: maximum 60 at ASUB and remaining 60 at UCA (40 of which must be upper-division).