



2+2 Degree Plan Checklist
Associate of Science in Liberal Arts and Sciences
Bachelor of Science in Biochemistry (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	0023	College Literacy (taken with ENG 1003 – Freshman English I)			N/C	
MATH	0112	Review for College Algebra (taken with MATH 1023 – College Algebra)			N/C	
MATH	0123	Pre-College Algebra			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	World Literature to 1660		ENGL 2305		3	
ENG	2013	World Literature since 1660		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 (or other ASLAS Fine Arts)		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 (or other ASLAS Social Science)		SOC 1300			

Biochemistry 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 Biochemistry (ACS Certified)
UCA Courses (60 credit hours)⁵

			Semester	Hours	Grade
BIOL	1441	Principles of Biology II		4	
BIOL	2490	Genetics		4	
CHEM	4451	Advanced Analytical Chemistry		4	
BIOL	4431	Experimental Molecular Biology			
BIOL	3420	General Microbiology			
BIOL	4425	Experimental Neurobiology (UD UCA Core: Z)			
BIOL	4414	Molecular Mechanisms of Aging (UD UCA Core: Z)			
PHYS	3412	Introduction to Biophysics			
CHEM	3360	Intermediate Inorganic Chemistry		3	
CHEM	4380	Advanced Inorganic Chemistry			
CHEM	3211	Organic Spectroscopy		2	
CHEM	3520	Quantitative Analysis		5	
CHEM	4112	Seminar		1	
CHEM	4121	Biochemistry Laboratory		1	
CHEM	4320	Biochemistry I		3	
CHEM	4335	Biochemistry II		3	
CHEM	4450	Physical Chemistry I		4	
CHEM	4460	Physical Chemistry II		4	
MATH	2471	Calculus III		4	
PHYS	1441	University Physics 1		4	
PHYS	1442	University Physics 2		4	
		Research		1	
		Research		1	
		Upper Division Core (UD UCA Core: C, I)		3	
		Upper Division Core (UD UCA Core: D, R)		3	
		Upper Division General Elective		2	

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 Biochemistry (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 admissions.uca.edu/apply/. 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).