



2+2 Degree Plan Checklist
Associate of Science in Liberal Arts and Sciences
BS in Mathematics (Pure Mathematics)



University of Arkansas-Pulaski Technical College¹
Associate of Science in Liberal Arts and Sciences²

General Education Requirements (35 credit hours)

English/Communication (9 credit hours)				UCA³	Semester	Hours	Grade
ENGL	10103	English Composition I		WRTG 1310		3	
ENGL	10203	English Composition II		WRTG 1320		3	
SPCH	10003	Speech Communications		COMM 1300		3	

Mathematics (3 credit hours)				UCA	Semester	Hours	Grade
MATH	11003	College Algebra		MATH 1390		3	

Lab Sciences (8 credit hours)				UCA	Semester	Hours	Grade
BIOL	10031/10043	Biology for Non-Majors and Lab (or other ASLAS Life Science with Lab)		BIOL 1400		4	
PHSC	10043/10031	Physical Science and Lab (or other ASLAS Physical Science with Lab)		PHYS 1400		4	

Arts and Humanities (3 credit hours)				UCA	Semester	Hours	Grade
ARHS	10003	Choose one: Introduction to Visual Art Introduction to Music Introduction to Theatre (or other ASLAS Arts and Humanities)		ART 2300		3	
MUSC	10003			MUS 2300			
THTR	10003			THEA 2300			

Literature (3 credit hours)				UCA	Semester	Hours	Grade
ENGL	21103	Choose one: World Literature from the Beginning to 1650 World Literature from 1650 to the Present (or other ASLAS Literature)		ENGL 2305		3	
ENGL	21203			ENGL 2306			

History/Government (3 Credit Hours)				UCA	Semester	Hours	Grade
HIST	21103	Choose one: US History to 1877 US History since 1877 American National Government		HIST 2301		3	
HIST	21203			HIST 2302			
PLSC	20003			PSCI 1330			

Social Sciences (6 credit hours)				UCA	Semester	Hours	Grade
GEOG	21103	Choose two: Cultural Geography Psychology and the Human Experience Introduction to Sociology (or other ASLAS Social Science)		GEOG 1320		6	
PSYC	11003			PSYC 1300			
SOCI	10103			SOC 1300			

Mathematics Foundation (25 credit hours)

				UCA	Semester	Hours	Grade
MATH	12003	Trigonometry		MATH 1392		3	
MATH	14004	Calculus I		MATH 1496		4	
MATH	15004	Calculus II		MATH 1497		4	
		ASLAS Approved Elective				3	
		ASLAS Approved Elective				3	
		ASLAS Approved Elective				3	
		ASLAS Approved Elective				3	
		ASLAS Approved Elective				2	

Total Hours: 60⁴



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University of Central Arkansas
Bachelor of Science in Mathematics (Pure Mathematics)
UCA Courses (60 credit hours)⁵

				Semester	Hours	Grade
MATH	2335	Transition to Advanced Mathematics			3	
MATH	2341	Introduction to Mathematical Computation			3	
MATH	2471	Calculus III			4	
MATH	3311	Statistical Methods			3	
MATH	3320	Linear Algebra (UD UCA Core: I)			3	
MATH	3331	Ordinary Differential Equations I (UD UCA Core: C)			3	
MATH	3360	Introduction to Rings & Fields			3	
MATH	3362	Introduction to Group Theory			3	
MATH	4362	Advanced Calculus I (UD UCA Core: Z)			3	
MATH	4371	Introduction to Probability (UD UCA Core: R)			3	
		Math Major Elective (4000 Level - From Approved List - See Advisor)			3	
		Math Major Elective (4000 Level - From Approved List - See Advisor)			3	
		Upper Division Minor Field Course (UD UCA Core: D)			3	
		Upper Division Minor Field Course			3	
		Upper Division Minor Field Course			3	
		Upper Division Minor Field Course			3	
		Upper Division Minor Field Course			3	
		Upper Division Minor Field Course			3	
		Minor Field Course			3	
		Minor Field Course			3	
Total Hours:					120⁶	

¹ Please see your UA-PTC advisor for degree and graduation information.

² Agreement requirements are guaranteed in accordance with the academic year of initial enrollment at UA-PTC, 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 Mathematics (Pure Mathematics) 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 UA-PTC and remaining 60 at UCA (40 of which must be upper-division).