



2+2 Degree Plan Checklist

Associate of Science in Liberal Arts and Sciences Bachelor of Science in Mathematics (Pure Mathematics)



Pulaski Technical College Associate of Science in Liberal Arts and Sciences¹

Possible Prerequisites			Semester	Hours	Grade
DEVE	0314	Reading Improvement		N/C	
DEVE	0316	College Reading		N/C	
DEVE	0322	English Skills		N/C	
DEVE	0324	English Composition Fundamentals		N/C	
DEVE	0334	Pre-Algebra Skills		N/C	
DEVE	0336	Elementary Algebra		N/C	
DEVE	0338	Intermediate Algebra		N/C	

General Education Requirements (35 credit hours)

English/Communications (9 credit hours)			UCA ²	Semester	Hours	Grade
ENGL	1311	English Composition I	WRTG 1310		3	
ENGL	1312	English Composition II	WRTG 1320		3	
COMM	1300	Speech Communication	SPCH 1300		3	

Mathematics (3 credit hours)			UCA	Semester	Hours	Grade
MATH	1302	College Algebra	MATH 1390		3	

Sciences (8 credit hours)			UCA	Semester	Hours	Grade
BIOL	1400	Biology for General Education	BIOL 1400		4	
PHYS	1401	Physical Science	PHYS 1400		4	

Literature (3 credit hours)			UCA	Semester	Hours	Grade
ENGL	2337	World Literature from the Beginning to 1650 or	ENGL 2305		3	
ENGL	2338	World Literature from 1650 to the Present	ENGL 2306			

Humanities (3 credit hours)			UCA	Semester	Hours	Grade
ARTS	2300	Introduction to Visual Arts or	ART 2300		3	
MUSC	2300	Introduction to Music or	MUS 2300			
PHIL	1310	Introduction to Philosophy	PHIL 1301			
THEA	2300	Introduction to Theatre	THEA 2300			

History/Government (3 credit hours)			UCA	Semester	Hours	Grade
HIST	2311	U.S. History to 1877 or	HIST 2301		3	
HIST	2312	U.S. History since 1877 or	HIST 2302			
POLS	1310	American National Government	PSCI 1330			

Social Science (6 credit hours)			UCA	Semester	Hours	Grade
GEOG	1310	Physical Geography or	GEOG 1315		6	
GEOG	2310	Cultural Geography or	GEOG 1320			
HIST	1311	History of Civilization I or	HIST 1310			
HIST	1312	History of Civilization II or	HIST 1320			
PSYC	2300	Psychology and the Human Experience	PSYC 1300			
SOCI	2300	Introduction to Sociology	SOC 1300			

Mathematics Foundation Courses & Minor Field Courses (25 credit hours)

			UCA	Semester	Hours	Grade
MATH	1303	Trigonometry	MATH 1392		3	
MATH	1404	Calculus I	MATH 1496		4	
MATH	1405	Calculus II	MATH 1497		4	
		General Elective			3	
		General Elective			3	
		General Elective			3	
		General Elective			3	
		General Elective			2	

Total Hours: 60³



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



University of Central Arkansas
Bachelor of Science in Mathematics (Pure Mathematics)
UCA Courses (60 credit hours)⁴

			Semester	Hours	Grade
MATH	2335	Transition to Advanced Mathematics		3	
MATH	2471	Calculus III		4	
MATH	3320	Linear Algebra		3	
MATH	3331	Ordinary Differential Equations I		3	
MATH	3360	Introduction to Rings and Fields		3	
MATH	3362	Introduction to Group Theory		3	
MATH	4362	Advanced Calculus I		3	
MATH	4371	Introduction to Probability		3	
		Math Major Elective (4000 Level – from Approved List – See your Advisor)		3	
		Math Major Elective (4000 Level – from Approved List – See your Advisor)		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	
		Upper Division Minor Field Course		3	
		Minor Field Course		3	
		Minor Field Course		3	
		General Elective		3	
		General Elective		2	

Total Hours: 120⁵

¹ See your PTC advisor for degree and graduation information.

² UCA transfer course designations are either guaranteed by ACTS (acts.adhe.edu) or have been approved as a substitution by UCA. Unless otherwise noted, courses for which no UCA equivalent course is listed would transfer in as elective credit.

³ 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 requirements and will be admitted to the BS in Mathematics (Applied Mathematics) degree program as a junior.

⁴ For more specific information about degree requirements within the junior and senior years at UCA, please review the UCA Undergraduate Bulletin (<http://uca.edu/ubulletin>) and consult your UCA academic advisor.

⁵ This degree program requires a total of 120 semester credit hours, including at least 40 upper-division credit hours.