



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



East Arkansas Community College¹
Associate of Science in Liberal Arts and Sciences²

Possible Prerequisites			Semester	Hours	Grade
LAN	0966	Language Enhancement I		N/C	
LAN	0973	Language Enhancement II		N/C	
MTH	1073	Math Applications I		N/C	
MTH	1093	Math Applications II		N/C	

General Education Requirements (35 credit hours)

English/Communication (9 credit hours)			UCA ³	Semester	Hours	Grade
ENG	1013	English Composition I	WRTG 1310		3	
ENG	1023	English Composition II	WRTG 1320		3	
SPE	1003	Introduction to Oral Communications	COMM 1300		3	

Mathematics (3 credit hours)			UCA	Semester	Hours	Grade
MTH	1113	College Algebra	MATH 1390		3	

Lab Sciences (8 credit hours)			UCA	Semester	Hours	Grade
BIO	1014	General Biology <i>(or other ASLAS Life Science with Lab)</i>	BIOL 1440		4	
PHS	1214	Physical Science with Lab <i>(or other ASLAS Physical Science with Lab)</i>	PHYS 1400		4	

Fine Arts/Humanities (6 credit hours)			UCA	Semester	Hours	Grade
ART	1003	Choose one: Art Appreciation	ART 2300		3	
MUS	1003	Music Appreciation	MUS 2300			
DRA	1003	Theatre Appreciation <i>(or other ASLAS Fine Arts)</i>	THEA 2300			
ENG	2073	Choose one: World Literature I	ENGL 2305		3	
ENG	2083	World Literature II <i>(or other ASLAS Humanities)</i>	ENGL 2306			

Social Sciences (6 credit hours)			UCA	Semester	Hours	Grade
HIS	2033	Choose one: United States History Before 1865	HIST 2301		3	
HIS	2043	United States History Since 1865	HIST 2302			
PSC	2003	American Government	PSCI 1330			
HIS	1013	Choose one: Western Civilization I	HIST 1310		3	
HIS	1023	Western Civilization II <i>(or other ASLAS Social Science)</i>	HIST 1320			

Social or Behavioral Science Elective (3 credit hours)			UCA	Semester	Hours	Grade
PSY	1003	Choose one: General Psychology	PSYC 1300		3	
SOC	1013	Introduction to Sociology <i>(or other ASLAS Social Science)</i>	SOC 1300			

Mathematics Foundation (25 credit hours)

			UCA	Semester	Hours	Grade
MTH	1123	College Trigonometry	MATH 1392		3	
MTH	2214	Calculus I	MATH 1496		4	
MTH	2224	Calculus II	MATH 1497		4	
		<i>ASLAS Approved Elective</i>			3	
		<i>ASLAS Approved Elective</i>			3	
		<i>ASLAS Approved Elective</i>			3	
		<i>ASLAS Approved Elective</i>			3	
		<i>ASLAS Approved Elective</i>			2	

Total Hours: 60⁴



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



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	2471	Calculus III		4	
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	
		General Elective		3	
		General Elective		2	

Total Hours: 120⁶

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

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