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

Northwest Arkansas Community College[1]
Associate of Science in Liberal Arts and Sciences[2]

Possible Prerequisites			Semester	Hours	Grade
ENGL	0063	Intermediate Writing		N/C	
READ	0033	College Reading		N/C	
MATH	0053	Beginning Algebra		N/C	
MATH	0103	Intermediate Algebra		N/C	

General Education Requirements (36 credit hours)

English Composition (6 credit hours)			UCA[3]	Semester	Hours	Grade
ENGL	1013	Composition I	WRTG 1310		3	
ENGL	1023	Composition II	WRTG 1320		3	

Mathematics (4 credit hours)			UCA	Semester	Hours	Grade
MATH	1204	College Algebra	MATH 1390		4	

Lab Sciences (8 credit hours)			UCA	Semester	Hours	Grade
BIOL	1544	Principles of Biology I	BIOL 1440		4	
		(or other ASLAS Life Science with Lab)				
PHSC	2004	Introduction to Physical Science	PHYS 1400		4	
		(or other ASLAS Physical Science with Lab)				

			UCA	Semester	Hours	Grade
ARHS	1003	**Choose one:** Art Appreciation	ART 2300		3	
MUSI	1003	Music Appreciation	MUS 2300			
COMM	1303	Public Speaking	COMM 1300			
		(or other ASLAS Fine Arts)				
ENGL	2213	**Choose one:** Survey of World Literature to 1650	ENGL 2305		3	
ENGL	2223	Survey of World Literature from 1650	ENGL 2306			
		(or other ASLAS Humanities)				

US History/Government (3 credit hours)			UCA	Semester	Hours	Grade
HIST	2003	**Choose one:** History of American People to 1877	HIST 2301		3	
HIST	2013	History of American People from 1877 to Present	HIST 2302			
PLSC	2003	American National Government	PSCI 1330			

Social Sciences (9 Credit Hours)			UCA	Semester	Hours	Grade
ANTH	1023	**Choose three:** Introduction to Cultural Anthropology	ANTH 2300		9	
PHIL	2003	Introduction to Philosophy	PHIL 1301			
PSYC	2003	General Psychology	PSYC 1300			
SOCI	2013	General Sociology	SOC 1300			
		(or other ASLAS Social Science)				

Mathematics Foundation (24 credit hours)

STEM Directed Electives (8 credit hours)			UCA	Semester	Hours	Grade
MATH	2554	Calculus I	MATH 1496		4	
MATH	2564	Calculus II	MATH 1497		4	

General Directed Electives (16 credit hours)						
MATH	1213	Plane Trigonometry	MATH 1392		3	
		ASLAS Approved Elective			3	
		ASLAS Approved Elective			3	
		ASLAS Approved Elective			3	
		ASLAS Approved Elective			3	
		ASLAS Approved Elective			1	

Total Hours: 60[4]

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	2441	Introduction to Mathematical Computation		4	
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		1	

Total Hours: 120[6]

[1] Please see your NWACC advisor for degree and graduation information.

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