



2+2 Degree Plan Checklist

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



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

Possible Prerequisites

			Semester	Hours	Grade
ENGL	0063	Intermediate Writing		N/C	
MATH	0053	Beginning Algebra		N/C	
MATH	0103	Intermediate Algebra		N/C	
READ	0033	College Reading		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 (or other ASLAS Life Science with Lab)	BIOL 1440		4	
PHSC	2004	Introduction to Physical Science (or other ASLAS Physical Science with Lab)	PHYS 1400		4	

Fine Arts/Humanities (6 credit hours)

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

U.S. History/Government (3 credit hours)

			UCA	Semester	Hours	Grade
HIST HIST PLSC	2003 2013 2003	History of American People to 1877 or History of American People 1877 to Present or American National Government	HIST 2301 HIST 2302 PSCI 1330		3	

Social Sciences (9 credit hours)

			UCA	Semester	Hours	Grade
ANTH GEOG HIST HIST PHIL PHIL PSYC SOCI	1023 1123 1033 1043 2003 2033 2003 2013	Introduction to Cultural Anthropology or Human Geography or World Civilizations to 1500 or World Civilizations from 1500 or Introduction to Philosophy or World Religions or General Psychology or General Sociology (or other ASLAS Social Science)	ANTH 1302 GEOG 1320 HIST 1310 HIST 1320 PHIL 1301 RELG 1320 PSYC 1300 SOC 1300		9	

Mathematics Foundation & Foreign Language Requirement (24 credit hours)⁴

			UCA	Semester	Hours	Grade
MATH	1213	Plane Trigonometry	MATH 1392		3	
MATH	2554	Calculus I	MATH 1496		4	
MATH	2564	Calculus II	MATH 1497		4	
SPAN	1003	Elementary Spanish I ⁴	SPAN 1310		3	
SPAN	1013	Elementary Spanish II ⁴	SPAN 1320		3	
SPAN	2003	Intermediate Spanish I ⁴	SPAN 2300		3	
		ASLAS Approved Elective			3	
		ASLAS Approved Elective			1	

Total Hours: 60⁵



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



University of Central Arkansas
Bachelor of Arts in Mathematics (Pure Mathematics)

UCA Courses (60 credit hours)⁶

			Semester	Hours	Grade
MATH	2335	Transition to Advanced Mathematics		3	
MATH	2471	Calculus III		4	
MATH	3320	Linear Algebra (UD Core: I)		3	
MATH	3331	Ordinary Differential Equations (UD Core: C)		3	
MATH	3360	Introduction to Rings and Fields		3	
MATH	3362	Introduction to Group Theory		3	
MATH	4362	Advanced Calculus I (UD Core: Z)		3	
MATH	4371	Introduction to Probability (UD Core: R)		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	
		Upper Division Core (UD Core: D)		3	
		General Elective		2	

Total Hours: 120⁷

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 FREN 1003 (UCA: FREN 1310) - FREN 1013 (UCA: 1320) - FREN 2003 (UCA: FREN 2310) sequence can also be used to fulfill this requirement.

⁵ 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 BA in Mathematics (Pure Mathematics) degree program as a junior.

⁶ 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.

⁷ This agreement requires 120 credit hours: maximum 60 at NWACC and remaining 60 at UCA (40 of which must be upper-division).