Mathematics B.S., Option 2 (Pure)

Mathematics, B.S., Concentration 2 (Pure) Eight-Semester Degree Program

Students wishing to follow the eight-semester degree plan should see the Eight-Semester Degree Policy (http://catalog.uark.edu/undergraduatecatalog/academicregulations/eightsemesterdegreecompletionpolicy) for university requirements of the program.

Core requirement hours may vary by individual, based on placement and previous credit granted. Once all core requirements are met, students may substitute a three-hour (or more) general elective in place of a core area.

First Year	Units Fall	Units Spring
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013)	3	
MATH 2554 Calculus I (ACTS Equivalency = MATH 2405)[1]	4	
Science University/State Core lecture with corequisite lab requirement	4	
Social Science University/State Core requirement	3	
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023)		3
MATH 2564 Calculus II (ACTS Equivalency = MATH 2505)[1]		4
MATH 2803 Transition to Advanced Mathematics[1]		3
Science University/State Core lecture with corequisite lab requirement		4
Year Total:	14	14

Second Year	Units Fall	Units Spring
MATH 2574 Calculus III (ACTS Equivalency = MATH 2603)[1]	4	
MATH 3093 Abstract Linear Algebra[1,2]	3	
U.S. History University/State Core requirement	3	
Fine arts or humanities University/State Core requirement, as needed	3	
General elective or coursework, as needed	3	
MATH 2584 Elementary Differential Equations[1,2]		4
MATH or STAT Elective numbered 3000 or higher[1,2]		3
CSCE 2004 Programming Foundations I		4
General elective or coursework, as needed		4
Year Total:	16	15

Third Year	Units Fall	Units Spring
MATH 3113 Introduction to Abstract Algebra I[1,2]	3	
MATH or STAT Elective numbered 3000 or higher[1,2]	3	
Humanities or fine arts University/State Core requirement, as needed	3	
General Electives or coursework, as needed	6	
MATH 4113 Introduction to Abstract Algebra II (Or MATH/STAT 3000+ if taking MATH 4523)[1,2]		3
MATH or STAT Elective numbered 3000 or higher[1,2]		3
Social Science University/State Core requirement		3
General Electives or coursework, as needed		6
Year Total:	15	15

Fourth Year	Units Fall	Units Spring
MATH 4443 Complex Variables[1,2]	3	
MATH 4513 Advanced Calculus I[1,2]	3	
Social Science University/State Core requirement	3	
General Electives or coursework, as needed	6	
MATH 4933 Mathematics Major Seminar[1,2]		3
MATH 4523 Advanced Calculus II (Or MATH/STAT 3000+ if taking MATH 4113)[1,2]		3
General Electives or coursework, as needed to meet 120-hour requirement		10
Year Total:	15	16

Total Units in Sequence:	120

1 Meets 40-hour advanced credit hour requirement. See College Academic Regulations (http://catalog.uark.edu/undergraduatecatalog/collegesandschools/jwilliamfulbrightcollegeofartsandsciences) of this chapter.

2 Meets 24-hour rule (24 hours of 3000-4000 level courses in Fulbright College), in addition to meeting the 40-hour rule. See College Academic Regulations (http://catalog.uark.edu/undergraduatecatalog/collegesandschools/jwilliamfulbrightcollegeofartsandsciences) of this chapter.