

# Mathematics B.S., Option 3 (Statistics)

## Mathematics, B.S., Concentration 3 (Statistics)

### 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	Spring
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013)	3	
MATH 2554 Calculus I (ACTS Equivalency = MATH 2405) <sup>1</sup>	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) <sup>1</sup>		4
MATH 2803 Transition to Advanced Mathematics <sup>1</sup>		3
Science University/State Core lecture w/ corequisite lab requirement		4
Year Total:	14	14

Second Year	Units	
	Fall	Spring
MATH 2574 Calculus III (ACTS Equivalency = MATH 2603) <sup>1</sup>	4	
MATH 3093 Abstract Linear Algebra <sup>1,2</sup>	3	
CSCE 2004 Programming Foundations I	4	
General elective or coursework, as needed	4	
MATH 2584 Elementary Differential Equations <sup>1,2</sup>		4
STAT 3013 Introduction to Probability <sup>1,2</sup>		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
Year Total:	15	16

Third Year	Units	
	Fall	Spring
MATH 3113 Introduction to Abstract Algebra I <sup>1,2</sup>	3	

STAT 4001L Statistics Methods Laboratory or STAT 4101L Introduction to R	1	
STAT 4003 Statistical Methods <sup>1,2</sup>	3	
Social Science University/State Core requirement	3	
General Electives or coursework, as needed	6	
MATH 4353 Numerical Linear Algebra <sup>1,2</sup>		3
MATH or STAT Elective numbered 3000 or higher. <sup>1,2</sup>		3
Social Science University/State Core requirement		3
General Electives or coursework, as needed		6
Year Total:	16	15

Fourth Year	Units	
	Fall	Spring
MATH 4513 Advanced Calculus I <sup>1,2</sup>	3	
STAT 4033 Nonparametric Statistical Methods <sup>1,2</sup>	3	
Humanities or Fine Arts University/State Core requirement, as needed	3	
General Electives or coursework to be applied towards minor, as needed	6	
MATH 4933 Mathematics Major Seminar <sup>1,2</sup>		3
MATH or STAT Elective numbered 3000 or higher <sup>1,2</sup>		3
General Electives or coursework, as needed to meet 120 hour requirement		9
Year Total:	15	15
Total Units in Sequence:		120