

Mathematics B.S., Option 3 (Statistics)

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

Eight-Semester Degree Program

Students enrolling in the eight-semester degree plan should review the Eight-Semester Degree Completion Policy (<http://catalog.uark.edu/undergraduatecatalog/academicregulations/eightsemesterdegreecompletionpolicy/>).

State minimum core requirements may vary by individual, based on placement and previous credit granted. Once all core requirements are met, students may substitute with general electives in consultation with their academic adviser.

| First Year | Units | |
|--|-------|--------|
| | Fall | Spring |
| ENGL 10103 Composition I (ACTS Equivalency = ENGL 1013) ¹ | 3 | |
| MATH 24004 Calculus I (ACTS Equivalency = MATH 2405) ¹ | 4 | |
| Science State Minimum Core lecture with corequisite lab (Satisfies General Education Outcome 3.4) ¹ | 4 | |
| Social Sciences State Minimum Core (Satisfies General Education Outcome 3.3) ¹ | 3 | |
| ENGL 10203 Composition II (ACTS Equivalency = ENGL 1023) ¹ | | 3 |
| MATH 25004 Calculus II | | 3 |
| MATH 28003 Transition to Advanced Mathematics | | 3 |
| Science State Minimum Core lecture with corequisite lab (Satisfies General Education Outcome 3.4) ¹ | | 4 |
| Year Total: | 14 | 13 |
| Second Year | Units | |
| | Fall | Spring |
| MATH 26004 Calculus III | 3 | |
| MATH 30903 Abstract Linear Algebra | 3 | |
| CSCE 20004 Programming Foundations I | 4 | |
| General elective or coursework, as needed ¹ | 6 | |
| MATH 25804 Elementary Differential Equations | | 4 |
| MATH 31103 Introduction to Abstract Algebra I | | 3 |
| U.S. History or Government State Minimum Core (Satisfies General Education Outcome 4.2) ¹ | | 3 |
| Fine Arts State Minimum Core (Satisfies General Education Outcome 3.1) ¹ | | 3 |
| General elective or coursework, as needed | | 3 |
| Year Total: | 16 | 16 |
| Third Year | Units | |
| | Fall | Spring |
| STAT 31133 Introduction to Mathematical Statistics | 3 | |

| | | |
|--|----|----|
| STAT 30043 Statistical Methods | 3 | |
| STAT 30041 Statistics Methods Laboratory or STAT 41031 Introduction to R | 1 | |
| Social Sciences State Minimum Core (Select a course which satisfies General Education Outcomes 3.3 and 4.1) ¹ | 3 | |
| General Electives or coursework, as needed ¹ | 6 | |
| STAT 30133 Introduction to Probability | | 3 |
| MATH or STAT Elective numbered 30000 or higher. | | 3 |
| Social Sciences State Minimum Core (Select a course which satisfies General Education Outcomes 3.3 and 5.1) ¹ | | 3 |
| General Electives or coursework, as needed ¹ | | 6 |
| Year Total: | 16 | 15 |

| Fourth Year | Units | |
|---|-------|------------|
| | Fall | Spring |
| MATH 45103 Advanced Calculus I | 3 | |
| STAT 40333 Nonparametric Statistical Methods | 3 | |
| Humanities State Minimum Core (Satisfies General Education Outcomes 3.2 and 4.1) ¹ | 3 | |
| General Electives or coursework to be applied towards minor, as needed ¹ | 6 | |
| MATH 49303 Mathematics Major Seminar | | 3 |
| MATH or STAT Elective numbered 30000 or higher | | 3 |
| General Electives or coursework, as needed to meet 120 hour requirement ¹ | | 9 |
| Year Total: | 15 | 15 |
| Total Units in Sequence: | | 120 |

¹ Students must complete the State Minimum Core (<https://catalog.uark.edu/undergraduatecatalog/gened/stateminimum/>) and the requirements of their major(s) as outlined in the Catalog of Studies. These courses also fulfill many, if not all, of the General Education Requirements (<https://nam11.safelinks.protection.outlook.com/?url=http%3A%2F%2Fcatalog.uark.edu%2Fundergraduatecatalog%2Fgened%2Fgeneraleducation%2F&data=04%7C01%7C7C92f936f375f845bf930708d8e3ec5fa1%7C79c742c4e61c4fa5be89a3cb566a8%7C7CTWfPbGZsb3d8eyJWljoIMC4wLjAwMDAiLCJQljoIV2luMzIiLCJBTiI6Ik1haWV%7C1000&sdata=r35av68n3oEQW9FslIqBgmbsTnUENpJF7EoP4AD4Bks%3D&reserved=0>). Please visit these pages in the links provided and consult with your academic adviser when making course selections to fulfill these requirements.