

Mathematics B.A.

Mathematics B.A. 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) ¹ | 4 | |
| Fine Arts or humanities University/state core requirement | 3 | |
| Social Science University/State Core requirement | 3 | |
| General Elective or coursework to be applied towards minor (as needed) | 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 |
| General elective or coursework to be applied towards minor (as needed) | | 4 |
| Year Total: | 16 | 14 |

| Second Year | Units | |
|--|-------|--------|
| | Fall | Spring |
| MATH 2574 Calculus III (ACTS Equivalency = MATH 2603) ¹ | 4 | |
| MATH 3093 Abstract Linear Algebra ^{1,2} | 3 | |
| Social science University/State Core requirement | 3 | |
| U.S. History University/State Core requirement | 3 | |
| General Elective or coursework to be applied towards minor (as needed) | 3 | |
| CSCE 2004 Programming Foundations I | | 4 |
| MATH/STAT Elective above 3000 level ^{1,2} | | 3 |
| Science University/State Core Lecture with Corequisite Lab requirement | | 4 |
| Humanities or fine arts University/State Core requirement (as needed) | | 3 |
| Year Total: | 16 | 14 |

| Third Year | Units | |
|---|-------|--------|
| | Fall | Spring |
| MATH 3113 Introduction to Abstract Algebra ^{1,2} | 3 | |
| Social Science University/State Core requirement | 3 | |

| | | |
|---|----|----|
| Science University/State Core Lecture with Corequisite Lab requirement | 4 | |
| General Electives or coursework to be applied towards minor (as needed) | 6 | |
| MATH 3513 Elementary Analysis ^{1,2} | | 3 |
| MATH/STAT Elective above 3000 Level ^{1,2} | | 3 |
| General Electives or coursework to be applied towards minor (as needed) | | 9 |
| Year Total: | 16 | 15 |

| Fourth Year | Units | |
|--|-------|--------|
| | Fall | Spring |
| MATH/STAT Elective Above 3000 level ^{1,2} | 6 | |
| General Elective or coursework to be applied towards minor (as needed) | 3 | |
| 3000-4000 Level Electives ¹ | 6 | |
| MATH 4933 Mathematics Major Seminar ^{1,2} | | 3 |
| MATH/STAT Elective Above 3000 Level ^{1,2} | | 3 |
| General Electives As Needed | | 8 |
| Year Total: | 15 | 14 |

Total Units in Sequence: 120

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