

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/undergradcatalog/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) (Satisfies General Education Outcome 1.1) | 3 | |
| MATH 2554 Calculus I (ACTS Equivalency = MATH 2405) (Satisfies General Education Outcome 2.1) ^{1,2} | 4 | |
| Fine Arts or Humanities State Minimum Core requirement (Satisfies General Education Outcome 3.1 or 3.2) ^{3,4} | 3 | |
| Social Science State Minimum Core requirement (Satisfies General Education Outcome 3.3) ⁵ | 3 | |
| General Elective or coursework to be applied towards minor (as needed) | 3 | |
| ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023) (Satisfies General Education Outcome 1.1) | | 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 ^{1,6} | 3 | |
| Social Sciences State Minimum Core requirement (Select a course which satisfies General Education Outcomes 3.3 and 4.1) ⁷ | 3 | |
| U.S. History or Government State Minimum Core requirement (Satisfies General Education Outcome 4.2) | 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 ^{1,6} | | 3 |
| Science State Minimum Core Lecture with Corequisite Lab requirement (Satisfies General Education Outcome 3.4) | | 4 |

| | | |
|--|----|----|
| Humanities or Fine Arts State Minimum Core requirement (as needed) (Satisfies General Education Outcome 3.2 or 3.1) ^{4,3} | | 3 |
| Year Total: | 16 | 14 |

| Third Year | Units | |
|--|-------|--------|
| | Fall | Spring |
| MATH 3113 Introduction to Abstract Algebra ^{1,6} | 3 | |
| Social Sciences State Minimum Core requirement (Select a course which satisfies General Education Outcomes 3.3 and 5.1) ⁸ | 3 | |
| Science University/State Core Lecture with Corequisite Lab requirement (Satisfies General Education Outcome 3.4) | 4 | |
| General Electives or coursework to be applied towards minor (as needed) | 6 | |
| MATH 3513 Elementary Analysis ^{1,6} | | 3 |
| MATH/STAT Elective above 3000 Level ^{1,6} | | 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 ^{1,6} | 6 | |
| General Elective or coursework to be applied towards minor (as needed) | 3 | |
| 3000-4000 Level Electives ¹ | 6 | |
| MATH 4933 Mathematics Major Seminar (Satisfies General Education Outcomes 1.2 and 6.1) ^{1,6} | | 3 |
| MATH/STAT Elective Above 3000 Level ^{1,6} | | 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/undergradcatalog/collegesandschools/jwilliamfulbrightcollegeofartsandsciences/>).

² Students have demonstrated successful completion of the learning indicators identified for learning outcome 2.1, by meeting the prerequisites for MATH 2554.

³ The Fine Arts Elective courses which satisfy General Education Outcome 3.1 include: ARCH 1003, ARHS 1003, COMM 1003, DANC 1003, LARC 1003, MLIT 1003, MLIT 1003H, MLIT 1013, MLIT 1013H, MLIT 1333, THTR 1003, THTR 1013, or THTR 1013H.

⁴ The Humanities Elective courses which satisfy General Education Outcome 3.2 include: AAST 2023, ANTH 1033, ARCH 1013, CLST 1003, CLST 1003H, CLST 1013, COMM 1233, DANC 1003, ENGL 1213, GNST 2003, HIST 1113, HIST 1113H, HIST 1123, HIST 1123H, HIST 2003, HIST 2013, HUMN 1124H, HUMN 2213, LALS 2013, MRST 2013, MUSY 2003, MUSY 2003H, PHIL 2003, PHIL 2003C, PHIL 2003H, PHIL 2103, PHIL 2103C, PHIL 2303, THTR 1003, THTR 1013, THTR 1013H, WLIT 1113, WLIT 1123, or intermediate-level world language (usually 2003-level).

⁵ The Social Sciences Elective courses which satisfy General Education Outcome 3.3 include: AGECE 1103, AGECE 2103, ANTH 1023,

COMM 1023, ECON 2013, ECON 2023, ECON 2143, EDST 2003, HDFS 1403, HDFS 2413, HDFS 2603, HIST 1113, HIST 1113H, HIST 1123, HIST 1123H, HIST 2003, HIST 2013, HIST 2093, HUMN 1114H, HUMN 2114H, INST 2013, INST 2813, INST 2813H, PLSC 2003, PLSC 2013, PLSC 2203, PLSC 2813, PLSC 2813H, PSYC 2003, RESM 2853, SOCI 2013, SOCI 2013H, or SOCI 2033.

⁶ 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/>).

⁷ The Social Sciences Elective courses which satisfy General Education Outcomes 3.3 and 4.1 include: ANTH 1023, COMM 1023, HDFS 1403, HDFS 2413, HIST 1113, HIST 1113H, HIST 1123, HIST 1123H, HIST 2093, HUMN 1114H, HUMN 2114H, INST 2013, INST 2813, INST 2813H, PLSC 2013, PLSC 2813, PLSC 2813H, RESM 2853, SOCI 2013, SOCI 2013H, or SOCI 2033.

⁸ The Social Sciences Elective courses which satisfy General Education Outcomes 3.3 and 5.1 include: HDFS 1403, HDFS 2603, HIST 2093, HUMN 1114H, HUMN 2114H, INST 2013, INST 2813, INST 2813H, PLSC 2813, or PLSC 2813H.