

Catalog year: 2020

Fulbright College Advising Center  
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J. WILLIAM FULBRIGHT COLLEGE OF ARTS AND SCIENCES

**MAJOR REQUIREMENTS for a BACHELOR OF ARTS in MATHEMATICS**

MINIMUM DEGREE CREDIT HOURS REQUIRED TO GRADUATE = **120** (CORE + MAJOR + GENERAL ELECTIVES)

Please visit [catalog.uark.edu](http://catalog.uark.edu) for an extensive list of graduation and prerequisite requirements.

Department of Mathematics  
301 SCEN  
479.575.3351  
[math.uark.edu](http://math.uark.edu)

**NATURAL SCIENCES (2 courses • 8 hours)**

- ANTH 1013/1011L Intro to Biological Anthropology
- ASTR 2003/2001L Survey of the Universe
- BIOL 1543/1541L Principles of Biology
- BIOL 1603/1601L Principles of Zoology
- BIOL 1613/1611L Plant Biology
- BIOL 2013/2011L General Microbiology
- CHEM 1103/1101L University Chemistry I
- CHEM 1123/1121L University Chemistry II
- GEOS 1113/1111L Physical Geology
- GEOS 1133/1131L Earth Science
- PHYS 2054 University Physics I
- PHYS 2074 University Physics II

**COMPUTER PROGRAMMING (1 course • 4 hours)**

- CSCE 2004 Programming Foundations I or a course with substantial programming experience with prior departmental approval.

**ADDITIONAL REQUIREMENTS (choose one below)**

- Completion of an additional major or minor other than Mathematics or Statistics
- Completion of UA Teach curriculum
- Completion of the Four-Year Fulbright Honors Core for a Bachelor of Arts

**MATHEMATICS CORE (7 courses • 20 hours)**

- MATH 2574 Calculus III
- MATH 2803 Transition to Advanced Mathematics
- MATH 3093 Abstract Linear Algebra
- MATH 3113 Intro to Abstract Algebra I
- MATH 3513 Elementary Analysis
- MATH 4933 Mathematics Major Seminar

**Note:** *It is recommended that MATH 2803 be taken as early as possible.*

**MATHEMATICS/STATISTICS ELECTIVES numbered 3000 or higher (12 hours minimum)**

MATH 2584 Elementary Differential Equations or CSCE 4133 Algorithms may count.

MATH or STAT \_\_\_\_\_

MATH or STAT \_\_\_\_\_

MATH or STAT \_\_\_\_\_

MATH or STAT \_\_\_\_\_

**MATHEMATICS WRITING REQUIREMENT**

- Satisfied by an honors thesis or by a senior writing project under the direction of a faculty member, typically in MATH 4933.

**Note:** *A 2.00 cumulative GPA on all work completed in the Department of Mathematical Sciences is required for graduation with a B.A. or B.S. degree.*