UAt each ADVISING GUIDE
Bachelor of Arts (B.A.) Mathematics /Grades 7-12 Mathematics Licensure
University Core Requirements
(See Fulbright advisor for an official degree plan)

ENGLISH COMPOSITION (2 courses • 6 hours)
☐ ENGL 1013 Composition I
☐ ENGL 1023 Composition II

U.S. HISTORY (1 course • 3 hours)
☐ HIST 2003 History of the American People to 1877
☐ HIST 2013 History of the American People 1877 to Present
☐ PLSC 2003 American National Government
Note: U.S. History & Government courses cannot be used more than once within the University Core.

FINE ARTS (1 course • 3 hours)
☐ ARCH 1003 Architecture Lecture
☐ ARHS 1003 Art Lecture
☐ COMM 1003 Film Lecture
☐ DANC 1003 Movement and Dance
☐ LARC 1003 The American Landscape
☐ MLIT 1003 Music Lecture
☐ MLIT 1013 Music Lecture for Music Majors
☐ THTR 1003 Theatre Appreciation
☐ THTR 1013 Musical Theatre Appreciation

HUMANITIES (1 course • 3 hours)
☐ AAST 2023 The African American Experience
☐ ARCH 1013 Diversity and Design
☐ CLST 1003 Intro to Classical Studies: Greece
☐ CLST 1013 Intro to Classical Studies: Rome
☐ COMM 1233 Media, Community, and Citizenship
☐ ENGL 1213 Intro to Literature
☐ GNST 2003 Intro to Gender Studies
☐ HUMN 1124H* Honors Eq. of Cultures, 500-1600
☐ HUMN 2124H* Honors 20th Century Global Culture
☐ MUSY 2003 Music in World Cultures
☐ PHIL 2003 Intro to Philosophy
☐ PHIL 2103 Intro to Ethics
☐ PHIL 2203 Logic
☐ PHIL 3103 Ethics and the Professions
☐ WLIT 1113 World Literature I
☐ WLIT 1123 World Literature II
☐ World language at Intermediate I (2003) level

☐ UNIV 1001: University Perspectives
(Freshmen must complete during first year)

SOCIAL SCIENCES (3 courses from at least 2 fields • 9 hours)
☐ AGEC 1103 Principles of Agricultural Microeconomics
☐ AGEC 2103 Principles of Agricultural Macroeconomics
☐ ANTH 1023 Intro to Cultural Anthropology
☐ COMM 1023 Communication in a Diverse World
☐ ECON 2013 Principles of Macroeconomics
☐ ECON 2023 Principles of Microeconomics
☐ ECON 2143 Basic Economics: Theory and Practice
☐ GEOS 1123 Human Geography
☐ GEOS 2003 World Regional Geography
☐ HESC 1403 Life Span Development
☐ HESC 2413 Family Relations
☐ HIST 1113 Institutions and Ideas of World Civilizations I
☐ HIST 1123 Institutions and Ideas of World Civilizations II
☐ HIST 2003 History of the American People to 1877
☐ HIST 2013 History of the American People 1877 to Present
☐ HUMN 1114H* Honors Roots of Culture to 500 C.E.
☐ HUMN 2114H* Honors Birth of Modern Culture, 1600-1900
☐ PLSC 2003 American National Government
☐ PLSC 2013 Intro to Comparative Politics
☐ PLSC 2203 State and Local Government
☐ PSYC 2003 General Psychology
☐ RESM 2853 Leisure and Society
☐ RSOC 2603 Rural Sociology
☐ SOCI 2013 General Sociology
☐ SOCI 2033 Social Problems

MINIMUM DEGREE CREDIT HOURS REQUIRED TO GRADUATE = 120
**UAteach ADVISING GUIDE**

**Bachelor of Arts (B.A.) in Mathematics /Grades 7-12 Mathematics Licensure**

Major Requirements + UAteach courses

(See Fulbright advisor for an official degree plan)

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**Mathematics Major Course Requirements**

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

- CSCE 2004 Programming Foundations I

Choose twelve hours of courses in mathematics selected from MATH 2584, CSCE 4133, or MATH and STAT courses numbered at the 3000-level or higher.

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**SCIENCE: Choose 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 General Geology
- GEOS 1133/1131L Earth Science
- PHYS 2054 University Physics I
- PHYS 2074 University Physics II

- ____________
- ____________

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**UAteach Course Requirements (26 hours)**

- ARSC 1201 Inquiry Approaches to Teaching (Step 1)
- ARSC 1221 Inquiry-based Lesson Design (Step 2)
- STEM 2103 Knowing and Learning
- STEM 2203 Classroom Interactions
- MATH 2903 Functions, Foundations, and Models
- SEED 5303 or 5313 Secondary Math Teaching Methods
- STEM 3303 Project-based Instruction
- STEM 4409 Teaching Internship

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**MINIMUM DEGREE CREDIT HOURS REQUIRED TO GRADUATE = 120**
### Sample Course Sequence

#### Fall Semesters

<table>
<thead>
<tr>
<th>Course Sequence</th>
<th>Hours</th>
<th>Course Sequence</th>
<th>Hours</th>
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<tr>
<td>ARSC 1201</td>
<td>1</td>
<td>ARSC 1221</td>
<td>1</td>
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<tr>
<td>Step I Inquiry Approach to Teaching</td>
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<td>Step II Inquiry Based Lesson Design</td>
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<tr>
<td>MATH 2554</td>
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<td>MATH 2564</td>
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<tr>
<td>Calculus I</td>
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<td>Calculus II</td>
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<td>ENGL 1013</td>
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<td>MATH 2803</td>
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<td>English Composition I</td>
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<tr>
<td>Science (from list)</td>
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<td>ENGL 1023</td>
<td>3</td>
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<tr>
<td>FA/HIST/SS/HU</td>
<td>3</td>
<td>Science (from list)</td>
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<tr>
<td>Required Core Electives</td>
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#### Spring Semesters

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<td>Freshman Year</td>
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<tr>
<td>MATH 2584</td>
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<tr>
<td>Calculus III</td>
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<td>MATH 3093</td>
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<td>Abstract Linear Algebra</td>
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<td>FA/HIST/SS/HU</td>
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#### Sophomore Year

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<td>STEM 2103 (Fa)</td>
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<td>MATH 2584</td>
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<td>Calculus III</td>
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<td>MATH 3093</td>
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<tr>
<td>Abstract Linear Algebra</td>
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<td>FA/HIST/SS/HU</td>
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#### Junior Year

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<td>MATH 2903 (Fa-E)</td>
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<td>Functions, Foundations, &amp; Models</td>
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<tr>
<td>MATH 3513</td>
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<td>Elementary Analysis</td>
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<td>Programming Foundations I</td>
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<td>FA/HIST/SS/HU</td>
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<td>Required Core Electives</td>
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#### Senior Year

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<th>Course Sequence</th>
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<td>STEM 3303 (Fa)</td>
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<tr>
<td>Project-Based Instruction</td>
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<tr>
<td>Upper Level Math Elective*</td>
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<tr>
<td>STEM 4409</td>
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<tr>
<td>Supervised Teaching Internship</td>
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<tr>
<td>(full time teaching for 16 weeks and seminar class one night a week)</td>
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<td><strong>TOTAL</strong></td>
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**Note:** Suggested math major-required electives to support secondary math teaching: MATH 3103 Combinatorial & Discrete Math, MATH 3133 History of Math, MATH 3773 Foundations of Geometry, STAT 4003 Statistical Methods. **Recommended:** CATE 4073 Teaching Programming in Secondary Schools (will support adding Computer Science licensure)  
**Go to teach.uark.edu** for more information about the UAteach Program.

**Total hours for degree: 120**