## Mathematics

### Degrees Offered

<table>
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<tr>
<th>BA Mathematics</th>
<th>BS Mathematics</th>
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### Prerequisite

- MATH 115 or equivalent

### Requirements for each degree

#### 10 term courses
- numbered 222 or higher

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- MATH 225 or 226; MATH 255 or 256; and MATH 302 or 120

#### 2 courses in each of 3 categories chosen from:

- Analysis
- Algebra and Number Theory
- Statistics and Applied Mathematics
- Geometry and Topology
- Logic and Foundations

#### Courses from at least 2 of 3 core areas:
- Algebra, Real Analysis, and Complex Analysis

(One course may count towards one core area and one category.)

### Senior Requirements

- Senior Seminar (MATH 480) or Senior Essay (MATH 475) and oral report, with DUS permission

### Intensive Major

- Courses in all 3 core areas; 2 MATH grad courses or equivalent independent study counted among the required courses

### Substitutions Permitted

- Certain courses in Applied Mathematics, Computer Science, Engineering & Applied Science, Economics, Philosophy, Physics, Statistics & Data Science, or other departments, with DUS permission

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