## Mathematics

### Degrees Offered
- **BA Mathematics**
- **BS Mathematics**

### Prerequisites for entering the major
- MATH 120 or equivalent (e.g. completing MATH 231)

### Requirements for each degree
- **BA Mathematics**
  - 10 term courses numbered 222 or higher
  - MATH 230 and 231 or MATH 222 or 225 and MATH 250

- **BS Mathematics**
  - 10 term courses numbered 222 or higher, and 2 addtl adv courses in physical sciences approved by DUS
  - MATH 222 or 225 and MATH 250

  **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. Core area and category designations for each course are listed in OCI)

### 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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