### Mathematics

**Sample Schedule**

16 courses, distributed as follows:

- **8 Required Courses:** Foundations of Mathematics; Calculus; Multivariable Calculus; Linear Algebra; Real Analysis; Ordinary Differential Equations; Probability & Statistics; Abstract Algebra 1
- **4 Concentration or major:** Computer Science; Economics; or the Natural Sciences
- **2 electives**
- **2 Capstones:** Project and Seminar

#### Year 1

**Fall Semester**
- Core
- Core
- Foundations of Mathematics
- Calculus

**Spring Semester**
- Core
- Core
- Linear Algebra
- Multivariable Calculus

#### Year 2

**Fall Semester**
- Core
- Concentration 1
- Real Analysis
- Ordinary Differential Equations

**Spring Semester**
- Core
- Introduction to Probability and Statistics
- Concentration 2
- Concentration 3

#### Year 3

**Fall Semester**
- Core
- General Elective
- Math Elective
- Capstone Seminar

**Spring Semester**
- Core
- General Elective
- General Elective
- General Elective

#### Year 4

**Fall Semester**
- General Elective
- General Elective
- Abstract Algebra 1
- Capstone Project

**Spring Semester**
- General Elective
- General Elective
- Concentration 4
- Math Elective