# College Math Courses

## 1. Calculus Series

### Calculus I: Differential Calculus

### Calculus II: Integral Calculus

### Calculus III: Multivariable Calculus

### Calculus IV: Advanced Calculus

## 2. Linear Algebra

### Introduction to Linear Algebra

### Advanced Linear Algebra

## 3. Differential Equations

### Ordinary Differential Equations

### Partial Differential Equations

## 4. Abstract Algebra

### Introduction to Abstract Algebra

### Group Theory

### Ring Theory

### Field Theory

## 5. Analysis

### Real Analysis

### Complex Analysis

### Functional Analysis

### Measure Theory

## 6. Probability and Statistics

### Introduction to Probability

### Mathematical Statistics

### Applied Statistics

## 7. Discrete Mathematics

### Combinatorics

### Graph Theory

### Number Theory

## 8. Geometry and Topology

### Euclidean and Non-Euclidean Geometry

### Differential Geometry

### Topology

## 9. Numerical Methods

### Numerical Analysis

### Computational Mathematics

## 10. Mathematical Modeling

### Applied Mathematics

### Mathematical Modeling

## 11. Special Topics

### Game Theory

### Cryptography

### Mathematical Logic

### Set Theory

## 12. Advanced and Graduate-Level Courses

### Advanced Topics in Calculus, Linear Algebra, and Other Areas

### Research Seminars

### Thesis or Dissertation Work (for Graduate Programs)

#math