

Year 1

## Engage with the Principles

Calculus 1

Calculus 2

Linear Algebra 1

Combinatorics & Number Theory

Year 2

## Deepen Your Understanding

Multivariable Calculus

Analysis

Algebraic Structures

Linear Algebra 2

Graphs and Networks

The Mathematics of Google

Many additional specialist options are available in Year 3 and Year 4 and options are reviewed and updated regularly.

Year 3

## Refine Your Knowledge

Financial Mathematics

History of Mathematics

Statistics and Probability

Differential Equations

Optional Study Abroad

Optional Internship

Year 4

## Further Specialisation

Complex Analysis

Geometry

Group Theory and Applications

Metric Spaces

Cryptography/Coding

Research Portfolio

## BSc Social Sciences

## UCD Graduate Study and Career Opportunities

### Specialise with UCD School of Mathematics and Statistics

MA Mathematics

MLitt

PhD

Research & Academia

### Complementary/Conversion Master's Degrees

GradDip Actuarial Science

Professional Masters in Education

MSc Computer Science (Conversion)

MSc Business Analytics

MSc Data Analytics

MSc in Applied Economics

MSc Quantitative Finance

### Shape your Career

Economist

Financial Consultant

Trainee Accountant

Trainee Actuary

Journalist

Teacher

Statistician

Civil Servant