Economics, Mathematics and Statistics DN700

Year 1 — Engage with the Principles

- Introduction to Economics
- Calculus
- Principles of Microeconomics
- Practical Statistics
- Combinatorics & Number Theory
- Principles of Macroeconomics
- Statistical Modelling
- Linear Algebra 1
- Introduction to Programming
- Introduction to Computational Social Science

Year 2 — Deepen Your Understanding

- Intermediate Microeconomics
- Probability Theory
- Multivariate Calculus
- Intermediate Macroeconomics
- Algebraic Structures
- Linear Algebra 2
- Analysis
- Predictive Analytics

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

Year 3 — Refine Your Knowledge

- Differential Equations
- Study Abroad Opportunity
- Internship Opportunity
- Financial Mathematics
- Multivariate Analysis
- Differential Equations
- Study Abroad Opportunity
- Internship Opportunity
- Financial Mathematics

Year 4 — Further Specialisation

- Data Programming
- Bayesian Analysis
- Actuarial Statistics
- Complex Analysis
- Geometry
- Group Theory and Applications
- Research Portfolio
- Specialist Economics Options

BSc Economics, Mathematics and Statistics

UCD Graduate Study and Career Opportunities

Specialise with UCD

- MSc in Applied Economics
- MA Statistics
- MA Mathematics
- MSc Data and Computational Science
- MSc Data Analytics

- MLitt
- PhD

- Research & Academia

Complementary/Conversion Master's Degrees

- GradDip Actuarial Science
- PME Professional Masters in Education
- MSc Computer Science (Conversion)
- MSc Business Analytics
- MSc Quantitative Finance

Shape your Career

- Economist
- Financial Consultant
- Trainee Accountant
- Trainee Actuary
- Journalist
- Teacher
- Statistician
- Civil Servant

→ optional

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