

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*			

Year 2 Deepen Your Understanding

Intermediate Microeconomics*	Probability*	Multivariable Calculus*	Intermediate Macroeconomics*
Algebraic Structures*	Linear Algebra 2*	Analysis*	Predictive Analytics*

Year 3 Refine Your Knowledge

Econometrics	Complex Analysis	Time Series Analysis	Economics Options
Stochastic Models	Financial Mathematics	Optional Study Abroad	Optional Internship

Year 4 Further Specialisation

Multivariate Analysis	Monte Carlo Inference	Statistical Machine Learning	Optimisation in Finance
Specialist Economics Options	Cryptography	Game Theory	Research Module

*core

BSc Economics, Mathematics and Statistics

UCD Graduate Study and Career Opportunities

Specialise with UCD	Complementary/Conversion Master's Degrees	Shape your Career
MSc in Applied Economics MA Statistics MSc Data and Computational Science MSc Data Analytics ↓ MLitt ↓ PhD ↓ Research & Academia	GradDip Actuarial Science PME Professional Masters in Education MSc Computer Science (Conversion) MSc Business Analytics MSc Quantitative Finance MSc Actuarial Science	Economist Financial Consultant Trainee Accountant Trainee Actuary Journalist Teacher Statistician Civil Servant