



University College Dublin  
Ireland's Global University



## MSc in Quantitative Economics (One Year Full Time)

This course provides high quality quantitative training in economics, a focus on advanced research methods and a supervised research thesis. Students get a rigorous grounding in using mathematical and statistical methods to derive, test and apply formal economic models. In addition to core modules in microeconomics, macroeconomics and econometrics, students have the option of completing a two-term specialisation in either Statistics or one of Behavioural Economics, Law and Economics of Competition, Environmental and Energy Economics or Development Economics.

The course prepares students for PhD-level

study in economics or obtaining employment as a professional economist in jobs requiring the application of analytical methods to economic problems. Students have the ability to switch after first semester to our MSc in Applied Economics, which includes the option of a summer internship.

This programme features small group teaching from leading economists and a supportive environment. Masters students are an integral part of our School community, attending research seminars and receiving a wide range of supports to help them prepare for the research thesis element of their degree.

### Ireland's leading school of economics

UCD School of Economics is Ireland's leading economics department. Our staff are experts with international reputations in a wide range of topics such as macroeconomics, econometrics, applied microeconomics, behavioural economics, health economics, international trade and economic history. School members play a significant role in debating economic policy issues and in contributing to the formulation of economic policy. Students get to know our staff via participation in small classes and seminars and through direct supervision.

## Why study at UCD?



### Tradition

Established 1854, with 160 years of teaching & research excellence



### Global profile

UCD is ranked in the top 1% of higher education institutions worldwide



### Global community

Over 6,000 international students from over 120 countries study at UCD



### Global careers

Degrees with high employability; dedicated careers support; Two-year stay-back visa for Non-EU students



### Safety

Modern parkland campus with 24 hour security, minutes from Dublin city centre

## Course Content and Structure

90 credits  
taught masters

70 credits  
taught modules

20 credits  
dissertation

In your first semester, you will undertake a two-week preliminary course in mathematics and statistics. You will also take the following modules:

- Microeconomics
- Macroeconomics
- Econometrics
- Research Skills

And a choice of one from:

- Data Programming
- Behavioural Economics
- Environmental Economics
- EU Competition Law
- Development Economics

In your second semester, you take the following core modules:

- Advanced Microeconomics
- Advanced Macroeconomics
- Advanced Econometrics
- Research and Professional Development

You will also take an additional module from the following indicative list of modules:

- Behavioural Economics: Policy Applications
- Applied Policy Analysis Modelling
- Economics of Competition Policy
- Health and Welfare Economics
- International Trade

- Energy Economics and Policy
- Aviation Economics
- Development Economics: Applied Micro

Alternatively, students can take an advanced module from the School of Mathematics and Statistics.

In the summer term, you will do a supervised research thesis.





## Career Opportunities

Many graduates of our masters programmes have gone on to complete PhDs in economics and pursue successful careers as academic or research economists.

Many others have moved directly to employment in central banks, think-tanks, government departments, regulatory agencies, financial sector institutions and consultancy firms.



## Graduate Profile

### Scott Hamilton MSc in Quantitative Economics

The MSc in Quantitative Economics at UCD is a fantastic choice for anyone looking to advance their knowledge of economics. Core modules in Microeconomics, Macroeconomics and Econometrics allowed me to develop a solid grounding in the subject, whilst a range of optional modules allow me to hone in on my interests. Weekly seminars kept me in touch with the research frontier, presenting an opportunity to interact with contemporary ideas in the field. By the end of the second semester, I possessed a sound understanding of the fundamental technologies of economic research, whether that be applied or theoretical. The summer term sees each student apply this understanding to a research project under the guidance of a staff member. I found this a profoundly positive experience, allowing me to gather a deeper understanding of what the work of a research economist entails and put the education of the previous nine months into practice, with the invaluable support of UCD's fantastic academic staff. I am currently working as a data engineer at Fidelity Investments. Taken together, I could not recommend this course more.

### Related Masters

MSc Applied Economics

MSc Behavioural Economics

MA Public Policy

## Fees

Fee information at [www.ucd.ie/fees](http://www.ucd.ie/fees)

## Entry Requirements

- A primary degree with a minimum of an upper second class honours or international equivalent in Economics or in a degree in which Economics is a major component.
- We also consider applicants with a minimum of upper second class honours in a cognate area which has a strong quantitative component.
- We will also admit applicants with a Higher Diploma in Economics with a minimum of an upper second class honours.
- Applicants whose first language is not English must also demonstrate English language proficiency of IELTS 6.5 (no band less than 6.0 in each element), or equivalent.

## Contact Us

### EU Students

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+353 1 716 8272

### International Students

[www.ucd.ie/international](http://www.ucd.ie/international)  
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*Visas / Funding / Scholarships / Accommodation*

**Apply Now** Apply online at [www.ucd.ie/apply](http://www.ucd.ie/apply)