



University College Dublin
Ireland's Global University



MSc Statistics (1 Year Full Time)

Ireland is home to over 250 global financial institutions. There are opportunities for MSc in Statistics graduates in industry, government, IT, economics and finance. On completion of this MSc in Statistics, you will have skills such as the ability to demonstrate in-depth understanding of statistical concepts, apply basic statistical reasoning, techniques and models in the analysis of real data and employ technical computing skills.

The UCD MSc in Statistics is aimed at students who have an undergraduate degree in Statistics or a degree in a discipline related to Statistics

and with numerate skills. It consists of a mixture of compulsory and optional modules and a major project. Compulsory modules are intended to ensure that all students have appropriate basic statistical skills, knowledge and experience, while optional modules provide depth and exposure to the diverse range of statistical applications and methods. This latter aspect provides students with the opportunity to specialise in specific areas. The major project provides you with the chance to work extensively on either theoretical or practical problems.

Key Fact

The UCD MSc in Statistics is fully accredited by the Royal Statistical Society. The UCD School of Mathematics and Statistics group was ranked in the top 200 in the world in the QS world university ranking, and is the only statistics group in Ireland to appear in this ranking. The UCD School of Mathematics and Statistics is a dynamic, multidisciplinary school spanning the disciplines of Mathematics, Applied and Computational Mathematics, Statistics and Actuarial Science. The School engages in research of international renown and teaches students across all disciplines.

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; 1 year stay-back visa



Safety

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

Course Content and Structure

90 credits
taught masters

60 credits
taught modules

30 credits
research project/task

Modules offered change from year to year and the list includes:

- Mathematical Statistics
- Monte Carlo inference
- Actuarial Statistics
- Survival Analysis
- Data Mining
- Time Series
- Multivariate Analysis
- Nonparametric statistics
- Experimental Design
- Data Programming with R



Modules and topics shown are subject to change and are not guaranteed by UCD.

Career Opportunities

Career prospects on completion of the MSc in Statistics are excellent. Many graduates pursue careers in the pharmaceutical industry for companies and career opportunities also exist in industries including banking, finance and risk management. There is also an increase in demand for statisticians from the IT sector. In addition, many government departments employ statisticians. Some past students embarked on a career in academia by proceeding to study for a PhD in Statistics. Former MSc and MA students are currently working for companies such as Google, Western Union, AIB, Norbrook, Ernst & Young, O2, and SPSS. Demand for graduates continues to be strong both in Ireland and abroad.



Apply Now

This programme receives significant interest so please apply early online at www.ucd.ie/apply

Entry Requirements

- This programme is intended for applicants who hold a degree in Statistics or a cognate subject area. An upper second class honours or international equivalent is required.
- Those who have been awarded an upper second class honours or higher in the Higher Diploma in Statistics are eligible for the programme.
- Alternatively students may qualify for enrolment for the four semester MA in Statistics which brings them to the same level as the MSc in Statistics.
- 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.

Graduate Profiles

**Stephen Sah, Biostatistician,
Monaghan Mushrooms R&D
Department, Ireland**



The MSc degree in Statistics in UCD prepared me well for my current job. The combination of classroom work and analysis of real-world data using the current statistical tools make this course exceptional. The lecturers were more than helpful, both inside and outside the classroom, in assisting me whenever I had difficulties with my studies. I chose to study in UCD because of the interesting modules they offered. Now, my plan is to gain as much work experience as possible and hopefully obtain a doctoral degree.

**Valda Murphy, Project Lead,
Novartis, Basel, Switzerland**



I am very glad that I decided to take the MSc in Statistics in UCD. It had a strong theoretical foundation and gave me an education in how to apply statistics.

My research project inspired me to go into the area of medical statistics after graduation. The course served as a launch-pad for my career in pharmaceutical statistics where I now work as a project lead, overseeing the quantitative aspects of several drugs in development.

EU Enquiries

Programme Administrator
✉: pgstudies@maths.ucd.ie ☎: +353 1 716 2452
www.ucd.ie/courses/msc-statistics

UCD School of Mathematics and Statistics, University College Dublin, Belfield, Dublin 4.

Non-EU Enquiries ✉: internationaladmissions@ucd.ie
www.ucd.ie/international

Fees and Scholarships

Tuition fee information is available on www.ucd.ie/fees. Please note that UCD offers a number of postgraduate scholarships for full-time, self-funding international students, holding an offer of a place on masters programmes. Please visit www.ucd.ie/international/scholarships for further information.

Accommodation

UCD has accommodation for over 2,500 students across five locations. Places are limited and more information is available at www.ucd.ie/residences/. For information and advice on living off campus, please contact the UCD Residences Off-Campus Office or the UCD Student Union Accommodation Services. Please visit www.ucd.ie/residences/accommodation-booking-support/ for further details.

Additional Course Delivery Options

- MSc in Statistics 2 Year Part Time

Related Programmes of Interest

- MA Statistics
- Higher Diploma Statistics
- MSc Actuarial Science
- MSc Data Analytics (Online)
- MSc Data & Computational Science

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