



University College Dublin
Ireland's Global University



Higher Diploma Statistics (1 Year Full Time)

Ireland is home to over 250 global financial institutions and there are opportunities for Higher Diploma Statistics graduates in industry, government, IT, economics and finance. This programme is aimed at graduates whose level of statistical or mathematical training is high, but below that of the BSc Degree Honours in Statistics, and who have demonstrated numerical ability. It enables them to reach in one year a level of statistical knowledge equivalent to that of BSc Honours graduates. It provides students with a good background in statistical theory and methods, which can be used in a

variety of areas of application. Students who are awarded a distinction or upper second class honours in the Higher Diploma in Statistics are qualified to enter the MSc degree in Statistics.

On successful completion of the programme you will be able to apply basic statistical reasoning, techniques and models in the analysis of real data, understand the context in which statistical work is done, select appropriate statistical models for different applications, interpret results, and demonstrate programming skills, report writing skills and presentation skills.

Key Fact

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

60 credits

higher diploma – all taught modules

Modules available include:

- Probability Theory
- Statistical Inference
- Biostatistics
- Survey Sampling
- Models – Stochastic
- Data Mining
- Linear Models
- Actuarial Statistics
- Time Series
- Categorical Data Analysis
- Multivariate Analysis
- 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 Higher Diploma in Statistics are excellent. Many students pursue careers in the pharmaceutical industry, banking, finance and risk management. There is an increase in demand for statisticians from the IT sector (e.g., Google, Intel, data mining companies). In addition, many government departments employ statisticians including the Central Statistics Office. Many students embarked on the MSc in Statistics programme offered by UCD, based on achieving a second class honours, grade 1 in the Higher Diploma in Statistics.

Prospective employers include Vodafone, Google, Irish Life, Paddy Power, the ESRI, SPSS, Bank of Ireland, Quintiles, Accenture, Tesco, Ebay and Aviva.



Apply Now

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

Entry Requirements

- Applicants must have a minimum of an upper second class honours degree in a numerical discipline or a cognate subject area.
- 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 Profile

James McBride, Director of the Irish Social Science Data Archive from 2000-2012

I enrolled in the Higher Diploma of Statistics programme as a part-time student, in order to gain a more thorough grasp of the statistical techniques I was using in my political science research, and to better understand the needs of students and

researchers in my role as Director of the Irish Social Science Data Archive. The range of topics offered provided a challenging and ultimately rewarding environment in which I succeeded in meeting my goals as a social scientist, while gaining a deeper understanding and respect for the role of statistics across the entire spectrum of the sciences. The material covered in the core lecture courses was underpinned by an excellent tutorial system, which further enhanced my understanding of the topics. I cannot recommend this course highly enough for anyone wishing to strengthen their statistical skills, whether to pursue a career in academic research or in the broader job market.

EU Enquiries

Programme Administrator

✉ : pgstudies@maths.ucd.ie ☎ : +353 1 716 2452

www.ucd.ie/courses/higher-diploma-statistics

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

Non-EU Enquiries

✉ : internationaladmissions@ucd.ie
www.ucd.ie/international

Fees

Tuition fee information is available on www.ucd.ie/fees

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

- Higher Diploma Statistics 2 Year Part Time

Related Masters Programmes of Interest

- MA Statistics
- MSc Statistics
- MSc Actuarial Science
- MSc Data Analytics (Online)

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