



University College Dublin  
Ireland's Global University



## MSc Social Data Analytics (One Year Full Time or Two Years Part Time)

Level 9, 90 credits taught masters.

The MSc in Social Data Analytics is a one year taught programme, delivered by schools within the College of Social Sciences and Law (Sociology), and College of Science (Computer Science). It equips students with a range of social scientific, computational, informational, statistical, and visual analytics skills, for the analysis of large or complex data that arise from human interaction.

Students will receive training in sociological analysis, as well as core coding and programming skills, allowing them to avail of emergent technologies to manage real-world challenges, and conduct informed decision making. Students can also opt to complete an internship as part of their studies. The MSc in Social Data Analytics is suitable for graduates of social science or computer science programmes, or related disciplines such as psychology, politics, geography, or economics who want to develop their analytical skills further.

### Leading centre for sociological research and teaching in Ireland

UCD School of Sociology is the leading centre for sociological research and the largest teaching centre for sociology in Ireland. The School has played and continues to play a key role in the development of sociology in Ireland. Among its current faculty are many of Ireland's foremost sociologists and social commentators.

## 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 for Non-EU students



### Safety

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

## Course Content and Structure

### Core modules include:

- Analytical Sociology
- Social Simulation
- Quantitative Data Analytics and Applications
- Dynamic Social Networks
- Introduction to Programming 1
- Introduction to Programming 2
- Introduction to Artificial Intelligence

### Students must also choose one of the following options:

- A. Masters Dissertation
- B. Internship and capstone research project

### Optional modules include:

- Recommender Systems and Collective Intelligence
- Relational Databases and Information Systems
- Spatial Information Systems
- Data Science in Python
- G.I.S. and Data Analysis
- Information Visualisation
- Research Data Management
- Inequality and Institutions
- Global Migration
- Comparing Healthcare Systems
- Social Entrepreneurship
- Opportunity Generation and Recognition







## Career Opportunities

A wide range of different organizations including government departments, semi-state bodies, private companies in IT, finance and consultancy, as well as sectors such as education, health and social welfare are now exploring the benefits of combining large and complex data resources, including administrative data, for decision making and resource use.

The MSc in Social Data Analytics at the UCD is ideal for graduates who want to upskill and avail of these excellent employment opportunities. It is designed to enable individuals to combine their social science and/or cognate training with strong technical and analytical skills, and to exploit the wide range of digitised and digital data now accessible by public and private sector organisations.



## Student Profile

### Ciara Pritschet Sociology Masters Student

I came to Dublin in order to study sociology, and to experience a wider part of the world. I wanted a rounded set of skills, not just qualitative analysis, but quantitative as well. Taking the Social Data Analytics module, and gaining a grip on the ins and outs of quantitative data, as well as data analysis programs, has given me a set of skills that I know I will be able to use in the future, not just for my future job search, but for my own area of interest as well.

**Fees** Full time tuition fees for 2017-18 are: €6,750 (EU) and €18,300 (non-EU). Further information is available on the UCD Fees website, [www.ucd.ie/fees](http://www.ucd.ie/fees). Please note that UCD offers a number of graduate scholarships for full-time, self-funding international students, holding an offer of a place on a UCD graduate degree programme. For further information please see [www.ucd.ie/socscilaw/study/scholarships/global-scholarships](http://www.ucd.ie/socscilaw/study/scholarships/global-scholarships) and [www.ucd.ie/international/study-at-ucd-global/coming-to-ireland/scholarships-and-funding/gt-scholarships-and-funding](http://www.ucd.ie/international/study-at-ucd-global/coming-to-ireland/scholarships-and-funding/gt-scholarships-and-funding). The Mary Kelly Bursary comprises an award of €2,000 towards university fees to students who have been accepted to one of the School of Sociology's Masters programmes as a full-time student. For more information please see [www.ucd.ie/sociology/study/currentstudents/fundingopportunities](http://www.ucd.ie/sociology/study/currentstudents/fundingopportunities).

## Entry Requirements

- Applicants will be required to hold a 2.1 Honours degree or equivalent, preferably with a social sciences or cognate discipline component, and excellent academic references.
- This degree programme included core modules from Computer Science, which is a mathematical subject involving logical understanding and reasoning and therefore applicants must be able to demonstrate a good knowledge of mathematics.

## Contact Us

### EU Students

[www.ucd.ie/sociology](http://www.ucd.ie/sociology)  
[sociology@ucd.ie](mailto:sociology@ucd.ie)  
 +353 1 716 8674

### International Students

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

## Related Masters

MSocSc Sociology  
 MSc Comparative Social Change