



MSc/Graduate Diploma Information Systems

(One Year Full-Time or Two Years Part-Time)



Introduction

The MSc/Grad Dip in Information Systems incorporate aspects of information technology and data analytics with a firm grounding in social science. The programmes are interdisciplinary in nature and explores how information is gathered, analysed and communicated. Emerging technologies such as artificial intelligence are also examined within the context of questions concerning the impact of technology on society.

Through the study of informatics, students

will understand the process of information creation, storage and access. Students will also learn theoretical principles of the design of new technologies such as AI without a programming requirement and will gain an introduction to using machine learning. Ethical questions raised by the widespread use of technology in society will be examined, along with approaches to mitigate risks. The programmes are flexible allowing for a range of specialisations such as human-computer interaction and technology ethics.

Programme Highlight

The MSc/GradDip are designed for both non-technical and technical backgrounds. The focus is firmly on gaining the critical skills to evaluate the impact of technology in society and gain the skills required to participate in the design and critical evaluation of emerging technologies. The programmes engage students primarily through lectures, online learning exercises and group work as well as individual assignments. This masters is primarily a social science degree exploring the intersection between society and technology.

Programme Content and Structure



Core Modules:

- Quantitative Data Analysis
- Data & Society
- Project Management
- Machine Learning Foundations
- AI Ethics
- Informatics
- Artificial Intelligence

The Graduate Diploma is 60 credits with no thesis or capstone requirement.

Option Modules:

- Human Language Technologies
- Human Computer Interaction
- Introduction to Cognitive Science
- Digital Storytelling
- Digital Libraries
- UXD: User-Centered Design
- Digital Curation:Core Concepts
- Research Theory and Practice
- Media & Society
- Topics in Digital Media & Communications
- Communication Theory
- Digital Policy
- Media Production Cultures
- Digital Policy
- Information Ethics
- Platform Governance

Please see www.ucd.ie/graduateadmissions for a full list of modules.

Why study at UCD?



Graduate Education

12,000 graduate students; 17% graduate research students; structured PhDs



Graduate Employability

Ranked no. 1 in Ireland in QS Graduate Employability ranking



Global Careers

Dedicated careers support; 2 year stayback visa to work in Ireland



Global Community

8,500 international students and 300,000 alumni network across 165 countries



Global Profile

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



Welcoming Campus

Modern parkland campus with 24 hr security. Wide range of facilities, clubs, societies and supports



Career Opportunities

There is a growing job market for Information Systems graduates with roles within consulting firms, software and technology companies, start-ups along with government and non-governmental organisations. The MSc in Information Systems is designed with an eye to both present and future trends within the job market, with particular focus on emerging trends in data analytics, technology and addressing emerging ethical questions relating to technology and society.

Dublin is one of Europe's digital hubs, with leading international technology companies such as Google, Twitter, Microsoft, Facebook and PayPal all having headquarters in Dublin. Intel and Apple also have their headquarters in Ireland. Companies such as these rely on skilled graduates who have technical skills but also an ability to critically evaluate the design of technology from a social science perspective. Careers related to this programme include: programme manager, digital policy analyst, systems analyst, research and data scientist.

About the School

The UCD School of Information and Communication Studies (ICS) is the only Irish member of the prestigious iSchools consortium, an international, university-level organisation devoted to understanding the role of information in society.



Applicant Profile

- This programme is intended for applicants with an undergraduate degree in any discipline. An upper second-class honours or international equivalent is required.
- 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.
- While applications are accepted up to August of the year of entry, offers are made to suitably qualified candidates on a first-come-first-served basis so early application is recommended. Entry to the programmes is very competitive and the number of places is limited.

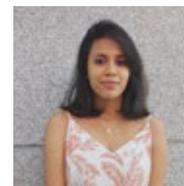
Fees and Scholarships

Tuition fee information is available on 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 masters programme. Please see www.ucd.ie/global/scholarships for further information.

Related Masters

- MSc Digital Policy
- MSc Human Computer Interaction
- Master of Library & Information Studies

Graduate Profiles



Smriti Rao
Graduate

Pursuing a Master's degree in Information Systems at UCD has opened up opportunities that I was unaware of before. Hailing from a different cultural background, my time here has been valuable, in that it has shaped me as a professional and an individual. According to the QS World University Rankings, UCD ranks 35th for 'Library and Information Management Studies and stands 1st in Ireland when it comes to employability. No wonder, with the quality of education here, I landed my first job as a Digital Project Executive at An Post even before my course ended.

The course walks you through various areas of Information Science, such as the foundations of information systems, UI/UX design, the basics of data analytics, and even natural language processing. The lectures and assignments were up to date and in line with the latest developments in the IT industry. For instance, I remember concepts from the 'Data and Society' module being taught to us using the latest news articles on data every week.

All the professors were very accommodating and always an email away to help students with more than just academic-related issues. All in all, though the year was busy and the challenges plenty, my academic journey at UCD has been nothing but fulfilling.

CONTACT US

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International Students

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APPLY NOW

This programme receives significant interest so please apply early online at

www.ucd.ie/apply