



University College Dublin
Ireland's Global University



MSc in Demographic and Population Analytics (One Year Full Time or Two Years Part Time)

The study of the population processes that shape our society requires a unique skill set. Demography is a pathway to understand core dynamics that define contemporary debates about mortality, ageing, health, migration and fertility.

The **MSc in Demographic and Population Analytics**, which is a one year full time or two years part time programme, is unique in Ireland. By definition the curriculum is interdisciplinary, bridging sociology, social policy, health and geography to comprehensively offer insight into the concepts, research and data analysis that demographically define us.

This programme stands apart in Ireland and internationally, defining a new generation of population scientists. Bridging the technical and theoretical, you will learn to analyse population trends using the an advanced technical (R programming and GIS), theoretical and substantive toolkit.

You will graduate with the technical skills, substantive foundation and unique expertise to enter the private or public sector in capacities ranging from demographic analysis to data-driven research in public policy, digital media and survey-based marketing. In addition, demography offers a bridge to further academic work in cognate disciplines such as economics, sociology, social policy and public health.

Unique programme in Ireland

The MSc in Demographic and Population Analytics is the first of its kind in Ireland. The interdisciplinary programme provides students with an opportunity to study population issues in a research-led environment, with a focus on applying learning to real-world scenarios.

Upon graduation, students will have the technical and substantive know-how to fill a large and important gap in an increasingly competitive global economy. They will offer the first cohort of demographers with expertise in population studies/demographic analysis, which is at the core of future public policy and planning.

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; 2 years 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

60 credits
Taught modules

30 credits
dissertation

Core modules:

- Demographic Analytics: Theory and Applications
- Population Geography
- Data Programming with R
- Statistics and Probability
- Research Design
- Demography Thesis

Optional Spatial Stream:

- Information Visualisation
- Spatial Information Systems

Optional Health Stream:

- Health Economics
- Health Risk, Perception and Communication

General Optional modules:

- Applied GIS
- Dynamic Social Networks
- Geographies of the Global South
- Global Migration
- Asylum and Refugee: Law, Politics and Rights
- Gender, Peace and Conflict
- Health Economics
- Health Risk, Perception and Communication
- Information Visualisation
- Spatial Information Systems





Career Opportunities

Local and national government, for example: health care companies, consultants, NGOs, research institutions, and news organisations, employ people with skills, knowledge and expertise to understand and research the relationship between, population, health, housing and policy. Nonprofit and voluntary organisations, private commercial organisations.



Staff Profile

Dr. Mathew J. Creighton

Co-Director

Dr. Creighton has published widely in demography, sociology, social policy, criminology and public health. He is one of the national coordinators for the European Social Survey. His teaching reflects a strong commitment to students and mentoring. He was awarded a Teaching Excellence Award by the UCD College of Social Science and Law in 2018.

ORCID iD

<https://orcid.org/0000-0002-1596-6049>

Scholarships

UCD offers postgraduate scholarships for full-time, self-funding international students who hold an offer of a place on a master's programme. Please see www.ucd.ie/international/scholarships-and-funding/ for further information.

Related Masters

MSc Social Data Analytics

MPH Publi Health

MSc Applied Geospatial Analysis

Master of Public Policy (MPP)

Fees Fee information at www.ucd.ie/fees

Entry Requirements

- This programme is intended for applicants who hold a primary degree in a relevant discipline, including political science, social policy, geography, sociology, economics, mathematics, statistics, development studies, business, finance, marketing, public health, psychology and computer science.
- An upper second class honours degree (2H1), or the overseas 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.

Contact Us

EU Students

www.ucd.ie/socscilaw/study/graduatedegrees
mathew.creighton@ucd.ie (Director)
rachel@ucd.ie (Administrator)

International Students

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

Funding / Scholarships

Visas / Funding / Scholarships / Accommodation

Apply Now Apply online at www.ucd.ie/apply