

Year 1

Engage with the Principles

Introduction to Computational Social Science

Statistical modelling

Introduction to Programming 1

Plus core modules in any two of the following subjects:
 Sociology
 Geography
 Economics
 Politics

Calculus 1

Linear Algebra 1

Year 2

Deepen Your Understanding

Introduction to Social Simulation

Probability Theory

Introduction to Programming 2

Continue with core and option modules your two subjects:
 Sociology
 Geography
 Economics
 Politics

Calculus 2

Linear Algebra 2

Many additional specialist options are available in Year 3 and Year 4 and options are reviewed and updated regularly.

Year 3

Refine Your Knowledge

Computational Social Science Workshop

Social Dynamics and Networks

Statistical Data Mining

Continue with your two subjects:
 Sociology
 Geography
 Economics
 Politics

Relational Databases and Information Systems

Optional Study Abroad

Optional Internship

Year 4

Further Specialisation

Workshop and Research Project

Law Ethics and Data

Data Programming with R

Continue with your subjects:
 Sociology
 Geography
 Economics
 Politics

Data Mining

Introduction to Creative Thinking

Spatial Information Systems

Advanced Predictive Analytics

BSc Computational Social Science

UCD Graduate Study and Career Opportunities

Specialise with UCD School of Sociology

MSc in Social Data Analytics
 MSc in Sociology

MLitt Sociology | PhD Sociology
 PhD Complex Systems and Computational Social Science
 PhD Quantitative Social Science

Research & Academia

Complementary/Conversion Master's Degrees

MSc in Computer Science
 MSc Quantitative Finance
 MSc Digital Information Management
 MSc Management
 MSc Digital Marketing
 Masters in Common Law
 MSc in Data Analytics
 MSc in Business Analytics

Shape your Career

Data Analyst
 Researcher
 Journalist
 Programmer
 Consultant
 Civil Servant

→ optional