Computational Social Science

Year 1

Engage with the Principles

- Introduction to Computational Social Science
- Statistical modelling
- Introduction to Programming 1
- Calculus 1
- Linear Analysis 1

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

Year 2

Deepen Your Understanding

- Introduction to Social Simulation
- Probability Theory
- Introduction to Programming 2
- Calculus 2
- Linear Analysis 2

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

Year 3

Refine Your Knowledge

- Computational Social Science Workshop
- Social Dynamics and Networks
- Statistical Data Mining
- Relational Databases and Information Systems
- Optional Study Abroad
- Optional Internship

Continue with your two subjects:
- Sociology
- Geography
- Economics
- Politics

Year 4

Further Specialisation

- Workshop and Research Project
- Law Ethics and Data
- Data Programming with R
- Data Mining
- Introduction to Creative Thinking
- Spatial Information Systems
- Advanced Predictive Analytics

Continue with your subjects:
- Sociology
- Geography
- Economics
- Politics

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

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

Research & Academia