



The Professional Certificate in Programming for Social Scientists

(In person, 4 months part time)

Introduction

The Professional Certificate in Programming for Social Scientists provides an introduction to computer programming using Python. Python is the most popular programming language among data scientists. It is also an excellent language to learn programming and basic software design skills.

Through this course, students will gain extensive knowledge of Python through social science applications, as well as experience in team-based project development and collaborative programming tools. This course is delivered over a 12-week period allowing you to fit your study alongside work, family or other life commitments.

Programme Highlight

The Professional Certificate in Programming for Social offers students a combination of a solid understanding of social science theory with the technical ability to understand the most common data science technologies.

Course Content and Structure

After watching short online lecture videos, students will come to class – or participate online – to work in groups on exercises and a group project. Especially in the first weeks, the emphasis will be on exercises covering key programming topics. As the course progresses and you gain further programming skills, emphasis will shift towards working on the larger group project.

Career Opportunities

Graduates from this programme will be ideally positioned to apply their newly acquired programming skills for careers in government, think tanks, political campaigns, interest groups, and the civil service. Furthermore, the combination of a solid understanding of social science theory with hands-on programming skills brings a unique addition to any data science team, in the corporate sector, the nonprofit sector, or within IT companies.

Graduate Profile



Úna Burke
Graduate

“Programming for Social Scientists” provided me with the key skills and knowledge of best practices I needed to design and implement programs based on social science concepts and to understand the opportunities that these transferable skills unlock.

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

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