UCD DUBLIN

University College Dublin
Ireland's Global University

Professional Certificate in Programming for Social Scientists
(In person, 4 months part time)

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.

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.

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; 1 year stay-back visa for Non-EU students

Safety
Modern parkland campus with 24 hour security, minutes from Dublin city centre

Graduate Profile

Úna Burke

"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."

Contact Us

EU Students

w: www.ucd.ie/**spire/study**
e: graduatespire@ucd.ie
t: +353 1 716 8182

International Students (Visas/ Funding/Scholarships/Accommodation)

w: www.ucd.ie/international
e: internationaladmissions@ucd.ie

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

Course code: W535