Graduate Diploma Actuarial Science
(9 Months Full Time)

The Graduate Diploma in Actuarial Science is designed for students from quantitative disciplines who ultimately wish to train as an actuary upon completion of the programme. The Graduate Diploma can help fast track your career as an actuary by supporting you through the initial examinations of the Institute & Faculty of Actuaries, UK. The programme provides a solid foundation in mathematics, statistics, economics and finance for future actuarial studies. The Graduate Diploma in Actuarial Science offers potential exemptions from the Core Technical subjects 1 to 8 (CT 1-8) of the examinations of the Institute & Faculty of Actuaries, UK. If you have prior actuarial exemptions you may choose to study all or part of the syllabus for the Core Applications 1 (CA1) subject of the examination of the Institute and Faculty of Actuaries. The programme is therefore suitable for students with no prior exemptions and for students who wish to add to any exemptions they already have. On completing this programme, you will be able to apply a variety of complex statistical and financial models in appropriate settings, model cash flows and summarise economic activity through the use of a variety of metrics, quantify risks associated with complex financial contracts and understand how to mitigate them, and calculate the value of complex financial contracts, allowing for mortality and morbidity.

Key Fact
UCD offers the widest range of Actuarial Science programmes in Ireland and has established a reputation for providing high quality graduates for the actuarial and finance industries in Ireland and internationally. The Graduate Diploma Actuarial Science is accredited by the Institute & Faculty of Actuaries, UK and is delivered by qualified actuaries and other academic experts.

Course Content and Structure

There is no option to complete the Graduate Diploma on a part-time basis. The Graduate Diploma in Actuarial Science covers the Core Technical subjects 1 to 8 (CT 1-8) and Core Applications subject 1 (CA1) of the examinations of the Institute and Faculty of Actuaries, UK. Depending on your background and subject to the approval of the programme director, you may select between five and seven subjects to study. The Core Technical subjects are:

- Financial Mathematics (CT1)
- Finance & Financial Reporting (CT2)
- Probability and Mathematical Statistics (CT3)
- Models (CT4)
- Contingencies (CT5)
- Statistical Methods (CT6)

- Business Economics (CT7)
- Financial Economics (CT8)

Modules and topics shown are subject to change and are not guaranteed by UCD.

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

 Safety
Modern parkland campus with 24 hour security, minutes from Dublin city centre
Fees
Tuition fee information is available on www.ucd.ie/fees

Accommodation
UCD has accommodation for over 2,500 students across five locations. Places are limited and more information is available at www.ucd.ie/residences/
For information and advice on living off campus, please contact the UCD Residences Off-Campus Office or the UCD Student Union Accommodation Services. Please visit www.ucd.ie/residences/accommodation-booking-support/ for further details.

Related Masters Programmes of Interest
• MSc Actuarial Science
• MSc Statistics
• MSc Data Analytics (online)

Entry Requirements
• This programme is intended for applicants with a degree in a quantitative area such as mathematics, statistics, computer science, engineering or economics and/or finance. An upper second class honours or international equivalent is required.
• We will, however, consider applications from prospective students who do not meet these entry requirements provided they can demonstrate an ability and commitment to study actuarial science.
• 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.

Graduate Profile
Alex Clarke, Actuarial Trainee, Lloyd’s, London

I chose to study the Higher Diploma in Actuarial Science in UCD because I felt that it would give me an edge when applying for actuarial jobs, rather than having only my mathematics undergraduate degree. The agreement between The Institute and Faculty of Actuaries and UCD means that a diligent student has an excellent opportunity to get the first series of Core Technical (CT) qualifying exams under their belt in just one year. In practice this usually translates to a higher starting salary when joining the workforce.

The quality of the education was excellent, arising from the level of experience and dedication of the lecturers. Within three weeks of completing my final exam I had four job offers and chose what I felt was the most interesting area for me.