



University College Cork, Ireland
Coláiste na hOllscoile Corcaigh



Higher Diploma in Statistics

University College Cork

University College Cork is one of Ireland's oldest institutions of higher education. UCC was originally founded in 1845 and over 160 years later, the University is internationally acclaimed as Ireland's leading research institution.

Overview of the Programme

The Higher Diploma in Statistics is designed for graduates whose degrees have a substantial mathematical content, and who wish to develop their expertise in the application of statistical methods, thus broadening their career opportunities. It may also be pursued as part of the qualifying procedure for entry into the MSc Degree in Statistics. The programme consists of course work and may be taken over one year (full-time) or two years (part-time).

There is a continuing demand by employers for numerate graduates, and there are always opportunities in commerce, government, industry, medicine and research for Science and Engineering graduates who have added to their first degree with the training in quantitative, computing and consulting skills provided by the Higher Diploma in Statistics.

Entry Requirements

Applicants for this course should normally have obtained at least second class honours in a primary degree which included a substantial component of Mathematics or mathematically-based material.

Other graduates whose degree programme included a substantial component of Mathematics or mathematically-based material, and who have at least two years experience in the application of statistical methods will also be considered.

Programme Content

- Probability and Statistics
- Introduction to Regression Analysis
- Statistical Theory
- Stochastic Modelling
- Survival Analysis
- Time Series
- Data Analysis
- Statistical Consulting
- Introduction to Operations Research

These modules are examined by a combination of continuous assessment and written examination.

For further details of these modules visit:
<http://www.ucc.ie/modules/>



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Duration of Programme

1 year full-time;
2 years part-time.

Career Opportunities

What are my career options after the Diploma?

The H.Dip. in Statistics is taken primarily by two groups of people:

a) people employed in jobs requiring the use of statistics. They typically choose the part time option to gain a recognised qualification in statistics, while still in full time employment.

b) those who would like to switch fields/careers. For these people, the H.Dip. can be a stepping-stone to jobs/higher qualifications such as an M.Sc. or Ph.D.

Graduate Profile

Since graduating from UCC with a B.A. in Mathematics and French, I have been teaching both these subjects at Second level. In 2005, an opportunity presented itself to take a career break and return to full-time study.

The course I chose was the Higher Diploma in Applied Science (Applied Statistics). My course choice was obviously influenced by my experience as a Maths teacher, and I considered study in this discipline would enhance my knowledge of the subject, as well as widening my opportunities should I decide to change career. I found that the full-time course was both challenging and absorbing, with interesting and practical applications to a variety of sciences.

Graduating with the diploma gave me further encouragement to continue study for a M.Sc. in Statistics, which I am presently pursuing. The challenges this year are equally absorbing, particularly the research aspect.

Whether I return to teaching or make a career change is as yet undecided, but whatever choice I make, the experience and knowledge gained will be of enormous benefit.

Pearl Deacon

M.Sc. Student, Department of Statistics, UCC.

Further Information:

Further Information/Application Procedure
Dr. Michael Cronin, Department of Statistics, UCC
Email: m.cronin@ucc.ie
Telephone +353 -21 -4205825

Postgraduate Admissions Office

Email: graduatestudies@ucc.ie
Web: <http://www.ucc.ie/postgraduate>
Fees: <http://www.ucc.ie/en/financeoffice/fees/>

