

DIPLOMA IN STATISTICAL STUDIES

- Prepare reports and presentations of statistical analyses;
- Develop the capacity to undertake lifelong learning.

Overview

NFQ Level 7, Special Purpose Award

This Diploma programme is available only to students of a partner Chinese university, with which UCC has a bilateral agreement under Statute 263 of the National University of Ireland. Having studied for three years at a partner Chinese university, students will study for one year at University College Cork, taking the programme to a value of 60 credits.

Programme Requirements

For information about modules, module choice, options and credit weightings, please go to Programme Requirements (p. 1).

Programme Requirements

To be considered for the award of the Diploma in Statistical Studies, a student must have satisfactorily attended, for at least a full academic year, undergraduate modules to the value of **60** credits as part of a programme of study agreed by the School of Mathematical Sciences and the partner Chinese university and subject to timetabling and other constraints. Between **20** and **30** of these credits should be chosen from undergraduate Statistical course modules offered in CK407 (<https://ucc-ie-public.courseleaf.com/programmes/bscms/#programmerequirementstext>) outlet degrees. A student must enrol for ST4099 (**30** credit Project); modules are selected in consultation with, and with the approval of, the Head of the Department of Statistics, School of Mathematical Sciences, UCC. Students may take up to **10** credits from other undergraduate modules in other subjects with the approval of the department/school offering the module(s). Where a course module has prerequisites (as specified in the module description), a student must satisfy these prerequisites by demonstrating, to the satisfaction of the School, that a similar module has been passed in the partner Chinese university. The full programme of study is subject to final agreement by the School of Mathematical Sciences and the partner Chinese university.

Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.

Programme Learning Outcomes

Programme Learning Outcomes for Diploma in Statistical Studies (NFQ Level 7, Special Purpose Award)

On successful completion of this programme, students should be able to:

- Describe and apply commonly used stochastic models in Statistics;
- Describe and apply the fundamental theories of statistical inference;
- Formulate statistical models to address research hypotheses;
- Apply statistical software to implement statistical models and methodologies;
- Assess the assumptions underlying statistical models and methodologies;
- Interpret the results of statistical analysis to address research hypotheses and inform decision-making;
- Demonstrate the ability to plan, carry out, exhibit, and report on a substantial project in the field of Statistics;