

DIPLOMA IN BIOLOGICAL SCIENCES

Overview

NFQ Level 7, Special Purpose Award

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

To be considered for the award of University Diploma in Biological Sciences, a student must have satisfactorily attended undergraduate modules to the value of **60** credits as prescribed by the Head of the relevant academic units of their chosen discipline. Students may choose 2nd, 3rd and where permitted 4th year (School of BEES only) undergraduate modules (subject to timetabling and other constraints). Where a module has prerequisites (as specified in the module description), a student must satisfy this prerequisite by demonstrating, to the satisfaction of the relevant academic unit, that a similar module has been passed in the partner institution. The full programme of study is subject to final agreement by the relevant UCC academic units and the student's home institution.

Workload Guidelines

It is strongly recommended that students do not take any more than 40 credits in any semester. Students are therefore advised to choose their modules so that the workload is evenly spread throughout the year.

Programme Requirements

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

Programme Requirements

Code	Title	Credits
Students take modules to the value of 60 credits from the following (subject to timetabling and other constraints):		60

School of BEES

AE2001	Fundamentals of Ecology (5)	
BL2001	Plant and Animal Genetics (5)	
PS2001	Introduction to Plant Biotechnology (5)	
PS2002	Ecological Plant Physiology (5)	
ZY2000	Vertebrate Diversity (5)	
ZY2005	Invertebrate Diversity (5)	
BL3001	Zoology and Ecology Literature Review (5)	
BL3002	Evolution & Diversity (10)	
BL3003	Conservation Biology (5)	
BL3004	Key Research Skills in Biology (5)	
PS3008	Physiology of Plants in extreme Environments (5)	

ZY3015	Advanced Vertebrate Biology (5)
ZY3019	Adaptations to Extreme Environments (5)
ZY3020	Animal Behaviour (5)

The following School of BEES modules are only available to students who have successfully completed three full academic years at their home institution:

AE4016	Advanced Ecology and Biogeography (5)
BL4004	Frontiers in Biology (5)
BL4006	Sustainable Food Production (5)
PS4006	Genetic Manipulation of Plants (5)
PS4021	Sustainable Plant Pest and Disease Management (5)
PS4024	Crop Physiology and Climate Change (5)
ZY4016	Biology of Marine Mammals (5)
ZY4021	Evolutionary Ecology (5)

School of Biochemistry and Cell Biology

BC2001	Biomolecules (5)
BC2002	Principles of Metabolic Pathways (5)
BC3001	Structural and Experimental Biochemistry (5)
BC3003	Introduction to Cell Biology and Biomembranes (5)
BC3004	Cell Signalling (5)
BC3005	Biochemical and Cellular Immunology (5)
BC3006	Molecular Biology (5)
BC3007	Principles of Medical Genetics (5)
BC3008	Biochemistry of the Central Nervous System (5)
BC3009	Biophysical and Biochemical Methods (5)
BC3011	Forensic Genetics and Molecular Biology (5)

School of Microbiology

ML2901	Introductory Molecular Biology (5)
MB3901	Medical Microbiology (5)
MB3993	Food and Industrial Microbiology I (5)
MB3005	The role and ecology of microbes in the environment (5)
MB3006	Genetic Engineering and Molecular Biotechnology (5)
MB3007	Molecular Genetics and Genomics (5)
MB3008	Immunology: Host Response to Pathogens. (5)
MB3017	Themes in microbe-host interactions (5)

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 Biological Studies (NFQ Level 7, Special Purpose Award)

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

- Analyse core biological theories, concepts and models;
- Demonstrate an ability to perform selected biological techniques;
- Explain and communicate to various stakeholders in their biological discipline;
- Interpret and analyse data / laboratory / fieldwork results in the biological discipline;

- Communicate analysis of biological issues relevant to their discipline through writing reports and/or participating in group discussions/presentations.