

# INTERCALATED BSC (HONS) (BIOCHEMISTRY)

## Overview

### NFQ Level 8, Major Award

Students who entered the University through the College of Medicine and Health may apply to take programmes in Science leading to the award of a BSc (Hons) Degree in one of Anatomy or Neuroscience (<https://ucc-ie-public.courseleaf.com/programmes/bschan/>), Biochemistry, Pathology (Medical Microbiology) (<https://ucc-ie-public.courseleaf.com/programmes/bschpm/>), Pharmacology (<https://ucc-ie-public.courseleaf.com/programmes/bschpt/>) or Physiology (<https://ucc-ie-public.courseleaf.com/programmes/bschpl/>).

While pursuing any of the above programmes a student will not be permitted to pursue any other programmes (medical or otherwise)

With the approval of the Head of the School of **Biochemistry and Cell Biology** and the College of Medicine and Health, a student who has passed the Third University Examination in Medicine and who has attained an aggregate mark of at least 60% in their Second Year, may proceed to the BSc (Hons) Degree by (a) satisfactorily pursuing modules in Biochemistry to the value of 60 credits as determined by the Head of the School of Biochemistry and Cell Biology and (b) reaching the required standard in the BSc (Hons) Degree Examination in Biochemistry.

## Programme Requirements

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

## Programme Requirements

Code	Title	Credits
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Students take **60** credits as follows - all listed core modules (**15** credits) and **45** credits of elective modules:

### Core Modules

BC4012	Research Project	15
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### Elective Modules

Students take modules to the value of **45** credits from the following: <sup>1</sup> 45

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)	
BC3010	Bioinformatics (5)	
BC3012	Literature Project (5)	
BC4001	Advanced Cell Biology (5)	
BC4002	Protein Science (5)	
BC4009	Cancer Biology (5)	
BC4010	Biochemical Analysis and Research Method (5)	
BC4011	Cell and Molecular Basis of Neurodegenerative disease (5)	

BC4016	Advanced Metabolism in Health, Disease and Cancer (5)
BC4017	Principles and Applications of Biotechnology (5)
GN4001	Developmental Genetics (5)

**Total Credits** **60**

<sup>1</sup> with the agreement of the Head of the School of Biochemistry and Cell Biology

## 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 BSc Intercalated (Biochemistry) (NFQ Level 8, Major Award)

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

- Demonstrate a knowledge and understanding of Biochemistry;
- Describe, apply and perform a range of Biochemistry laboratory techniques;
- Design, implement and evaluate scientific investigations and assess, interpret and present scientific data;
- Analyse critically research literature and present such analyses in both written and oral formats;
- Engage in professional and academic communication with other scientists;
- Work effectively, ethically and professionally as an individual, in teams and in multi-disciplinary settings, with the capacity for leadership and innovation.