

INTERCALATED BSC (HONS) (ANATOMY OR NEUROSCIENCE)

Overview

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, Biochemistry (<https://ucc-ie-public.courseleaf.com/programmes/bschbc/>), 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 Professor of **Anatomy** 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 Anatomy or Neuroscience to the value of 60 credits as determined by the Head of Department and (b) reaching the required standard at the BSc (Hons) Degree Examination in Anatomy or Neuroscience.

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 60 credits as follows:		
<i>Core Modules</i>		
AN3001	Research Methodology in Neuroscience and Biomedical Science	5
AN4009	Behavioural and Cognitive Neuroscience	5
AN4011	Research Project ¹	20
AN4012	Medical Imaging and Biomedical Devices in the Neurosciences	5
AN4013	Advanced Topics in Neuroscience	5
AN4014	Advanced Research Methodology in Neuroscience	5
AN4016	Neurodevelopmental Biology Approaches to Brain Repair.	5
AN4017	Prenatal and Perinatal Exposures and the Developing Brain.	5
BC4011	Cell and Molecular Basis of Neurodegenerative disease	5
Total Credits		60

¹ Candidates undertake a substantial research project in Anatomy/ Neuroscience, AN4011, which includes preliminary intensive training in appropriate research methodology and an in-depth literature review. It is presented as a thesis

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 (Anatomy or Neuroscience) (NFQ Level 8, Major Award)

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

- Demonstrate fundamental knowledge of anatomy, physiology, biochemistry, pharmacology and applied psychology and apply this knowledge to understanding the function of the human nervous system;
- Use fundamental knowledge of anatomy, physiology, biochemistry, pharmacology and applied psychology to derive and apply solutions which promote a better understanding of the diseased or injured human nervous system and its repair;
- Communicate effectively with the scientific community and appreciate the importance of contributing to the public understanding of science and neuroscience in particular;
- Apply the scientific method of investigation and hypothesis testing, including the development of theoretical and practical skills, in the design and execution of experiments;
- Analyse research literature and present such analyses in both written and oral formats.