**Neuroscience**

CAO code: DN200  Option: Biological, Biomedical and Biomolecular Science (BBB)

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**Sample pathway for a degree in Neuroscience**

**YEAR 1**

**ENGAGE WITH THE PRINCIPLES**

**BIOLOGY**
- Topics include:
  - Biology in Action
  - Life on Earth
  - Cell Biology & Genetics
  - Biomedical Sciences

**CHEMISTRY**
- Topics include:
  - The Basis of Organic and Biological Chemistry

**MATHEMATICS**
- Topics include:
  - One Elective Module

**YEAR 2**

**CHOOSE YOUR SUBJECTS**

**NEUROSCIENCE**
- Topics include:
  - Chemistry for Biologists
  - Molecular Genetics and Biotechnology
  - Biomolecular Laboratory Skills
  - Metabolic and Immune Systems
  - Principles of Neuroscience

**BIOCHEMISTRY & MOLECULAR BIOLOGY**
- Topics include:
  - Principles of Biochemistry

**PHARMACOLOGY**
- Topics include:
  - Biomedical Science of Drugs

**GENETICS**
- Topics include:
  - Two Elective modules

**YEAR 3**

**FOCUS ON YOUR CHOSEN SUBJECT**

**NEUROSCIENCE**
- Topics include:
  - Cell Signalling
  - Drugs used in CNS diseases
  - Nervous System Development
  - Membrane Biology

**YEAR 4**

**REFINE YOUR KNOWLEDGE**

**NEUROSCIENCE**
- Topics include:
  - Neuroscience Research Project
  - Synaptic Plasticity
  - Advanced Topics in Neural Development

**BSc (Honours) Neuroscience**

- Students can pursue a PhD in universities in Ireland or abroad in Neuroscience or in areas as diverse as biotechnology, cell biology, biomedical and health science.

**Conversion Courses**
- Professional Master of Education (PME)
- Graduate Veterinary Medicine
- Graduate Medicine
- Master of Management

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*See pages 4 and 5 for information on the terminology used above. Potential combinations shown here are examples only and are not guaranteed by UCD. Topics are subject to change each year.*

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**Shauna Corry analysing the results of a knee-jerk reflex test in a Neuroscience laboratory.**

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Learn how to employ state-of-the-art techniques to study the nervous system at the molecular, cellular and behavioural levels.

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I have always known that Science is my passion, but it wasn't until I had the opportunity to explore the subject in a hands-on environment that I realised how much I love Neuroscience. I was intrigued straight away by the brain, and by how much is still to be discovered. I am a member of the UCD Lacrosse Club, I volunteered in Tanzania with UCD Volunteers Overseas and I work as a Residential Assistant on campus. The great thing about UCD is being able to study electives, so I was able to study French, Spanish, Astronomy and Psychology as well as all my Science modules. When I graduate, I hope to work in research, particularly on developing treatments for brain disorders.

Shauna Corry, Student

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www.ucd.ie/myucd/neuroscience