

# Studying UCD Science

## Year 1

### Engage with the principles

Biological, Biomedical & Biomolecular Sciences	Earth & Environmental Sciences	Chemistry (includes Medicinal/Sustainable))	Mathematics (includes Applied/Financial/Statistics)	Physics (includes Theoretical/Astronomy & Space Science)	Science, Mathematics & Education	Explore Multiple Streams
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The Science course (DN200) offers a flexible curriculum that allows you to focus on an area from first year or keep your options open and explore different subject areas. Each stream has a set number of compulsory modules that has been kept low to allow you to try out other subjects that you may not be familiar with or to deepen your interest in the areas that you wish to pursue in second year and on to degree level. Plenty of advice is available during the application process and when you arrive at UCD on the module combinations to study in first year.

## Year 2

### Choose your pathway

In general, students have to decide on one stream to pursue in second year and will study two or more degree subjects from that stream. Limited degree subjects between different streams can be studied in second year. It is timetable dependent and not guaranteed. A list is not available as it can change each year.

Biological, Biomedical & Biomolecular Sciences	Earth & Environmental Sciences	Chemistry (includes Medicinal/Sustainable)	Mathematics (includes Applied/Financial/Statistics)	Physics (includes Theoretical/Astronomy & Space Science)	Science, Mathematics & Education*
Biochemistry & Molecular Biology	Environmental Biology	Chemistry	Applied & Computational Mathematics	Physics	Applied Mathematics, Mathematics & Education
Cell & Molecular Biology	Earth Sciences	Chemistry with Environmental & Sustainable Chemistry	Financial Mathematics	Physics with Astronomy & Space Science	Biology, Mathematics & Education
Environmental Biology		Medicinal Chemistry & Chemical Biology	Mathematics	Theoretical Physics	Chemistry, Mathematics & Education
Genetics			Statistics		Computer Science, Mathematics & Education
Microbiology					Physics, Mathematics & Education
Neuroscience					
Pharmacology					
Physiology					
Plant Biology					
Zoology					

## Year 3 & 4

### Focus on your degree subjects

In third and fourth year, you study your degree subject in depth. Sample modules from both these years are listed on each degree subject page. Many subjects will include a research project which you complete in your final year. Internships or professional placements usually occur at the end of third year. All are subject to a competitive application process.

### BSc (Honours)

Taught & Research  
Master of Science (MSc)

Doctor of Philosophy  
(PhD) Science

Research & Academia

#### Shape your Career with UCD Science

Pharmaceuticals, Biotechnology & Hospitals  
 Environmental Consultancies  
 Conservation & Wildlife  
 Water Utility, Mining & Energy  
 Business & Finance  
 Publishing, Media & Journalism  
 Agriculture, Forestry & Fisheries  
 Clinical Trials & Medical Devices  
 State Agencies – Bord Iascaigh Mhara, Health Products Regulatory Authority, Forensic Science Laboratory, Met Éireann etc.

#### Conversion/Complimentary Courses

MSc Mathematics & Science Education (Teaching)  
 Professional Master of Education (Teaching)  
 Graduate Veterinary Medicine  
 Graduate Medicine  
 Master of Business Studies  
 Graduate Diploma and MSc in Actuarial Science  
 MSc Computer Science (Conversion)

\*These degree subjects are 5 year courses. Students graduate with a 4-Year Level 8 BSc and then continue to a 1-Year MSc in Mathematics & Science Education.