

Zoology

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

Sample pathway for a degree in Zoology *

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:

- Mathematics for the Biological & Chemical Sciences

- Two Elective modules
- One Small-Group Project

YEAR
2

CHOOSE YOUR SUBJECTS

ZOOLOGY

Topics include:

- Principles of Zoology
- Biological Systems
- Animal Behaviour
- Molecular Genetics and Biotechnology
- Chemistry for Biologists

ENVIRONMENTAL BIOLOGY

Topics include:

- Principles of Environmental Biology and Ecology

GENETICS

Topics include:

- Principles of Genetics
- Metabolic and Immune Systems
- Biomolecular Laboratory Skills

- Two Elective modules

YEAR
3

FOCUS ON YOUR CHOSEN SUBJECT

ZOOLOGY – Topics include:

- Systems Ecology
- Working with Biological Data
- Diversity of Vertebrates
- Evolutionary Biology

- Functional Morphology
- Arthropoda
- Diversity of Invertebrates
- Field courses in Ireland and Spain

- Two Elective modules

YEAR
4

REFINE YOUR KNOWLEDGE

ZOOLOGY – Topics include:

- Biological Invasions
- Zoology Research Project

- Marine Community Ecology
- Bioassessment of Freshwaters
- Biodiversity

- Molecular Phylogenetics and Evolution
- Physiology of epithelial transport

BSc (Honours) Zoology

MSc (Taught)

- MSc Applied Environmental Science
- MSc World Heritage Management
- MSc Plant Biology & Biotechnology

PhD

- Students can pursue a PhD in universities in Ireland or abroad in areas as diverse as evolution and population biology and cell and molecular biology

Industry

- National Parks and Wildlife Services
- Semi-State bodies such as the ESB, BIM and Salmon Research Trust
- Conservation Bodies
- Agriculture and Aquaculture
- Environmental Management

Conversion Courses

- Professional Master of Education (PME)
- Graduate Veterinary Medicine
- Graduate Medicine
- Master of Business Administration
- Master in Management



An image taken on a field trip with students from the School of Biology & Environmental Science.

Image by Dr Jon Yearsley © UCD

- Learn about animals from the level of individual molecules to how animals interact with one another and their environment
- Develop key practical skills in field work, behavioural observation, species identification, genetic analysis, physiology and anatomy

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The field trip to Southern Spain involved exploration of terrestrial and marine sites. The most exciting part of the trip, for me, was encountering so many animals I had never come across in Ireland. I really appreciated being able to get some hands-on, in-field experience, while at the same time getting to know both my classmates and my lecturers that bit better.

Irene Sullivan, Graduate

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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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