

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



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

Image by Dr Jon Yearsley © UCD

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

- 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

“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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Professor Thomas Bolger
UCD School of Biology and Environmental
Science

tom.bolger@ucd.ie
+353 1 716 2330
facebook.com/UCDSchool
twitter.com/ucdscience



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