Environmental Biology

BSc (Hons) [NFQ Level 8]

Science **SCU1**

Length of Course	4 Years

Guideline Entry Requirements

IB - International Baccalaureate Diploma	IB Total 30 Subject Requirements: Maths: 4 at Higher Level/ 6 at Standard Level Lab Science: 4 at Higher Level/ 6 at Standard Level
Cambridge A Level (+ GCSE O Level)	AAB Subject Requirements: Maths: GCSE Grade B/ A Level Grade D Lab Science: GCSE Grade B/ A Level Grade D
Other Examinations	For country specific information see page 157
UCD International Foundation Year	Yes, see www.dublinisc.com/university-college-dublin

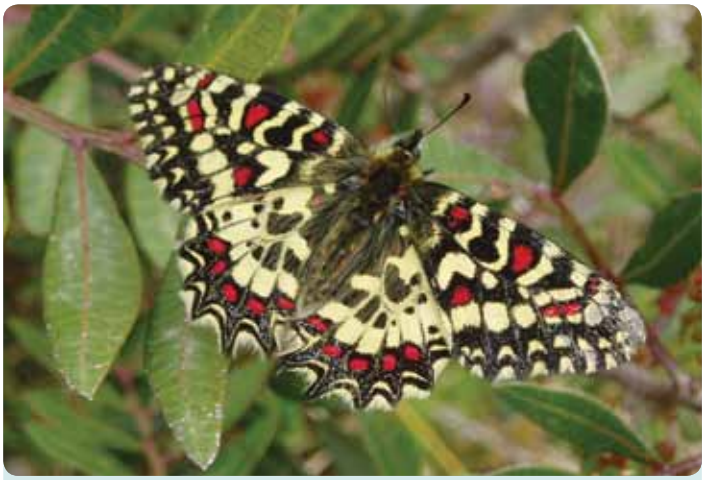

Photo of a rare Festoon butterfly taken on a third year field trip to Spain
Photo by Dr Tasman Crowe ©UCD 2014

Why is this course for me?

This degree focuses on the biological aspects of environmental science. It equips students with a strong background in ecology and its application to environmental assessment and management. Marine, terrestrial and freshwater ecosystems are studied through the disciplines of plant, animal and microbial ecology, evolutionary biology, conservation biology, global change biology, pollution biology, soil science and wildlife ecology. There's a strong emphasis on vocational skills and links with industry. Core modules include mock environmental impact assessment, field-based sampling in Ireland and Spain, and guest lectures from environmental managers and consultants.

What will I study?

The degree reflects the integrated multidisciplinary approach required in modern environmental research and ecosystem-based management. Topics include animal diversity and evolution, wildlife and fisheries, ecology and environmental microbiology, environmental impact assessment and biodiversity. This is a sample pathway for a degree in Environmental Biology.

First Year

Biology • Chemistry • Mathematics • Optional Science modules • Elective modules

Second Year

Environmental Biology • + 2 other Science subjects • Elective modules

Third Year

Environmental Biology • Elective modules

Fourth Year

Environmental Biology (includes an Environmental Biology research project which is self-selected to suit students' interests

All Science courses are full time, with many student timetables running from 9.00am to 5.00pm or later. Depending on the subject choices, a weekly timetable can include lectures, practicals and tutorials.

Assessment varies with each module but may comprise continuous assessment of practicals, written exams and online learning activities.

Career & Graduate Study Opportunities

Environmental Biologists pursue a wide range of careers such as: Fisheries managers • Environmental consultants • Habitat ecologists • Pollution biologists • Wildlife and conservation officers • National park supervisors • Technical and scientific officers • University researchers and professors

Graduate opportunities are also available for students to pursue MSc or PhD programmes. Taught MSc programmes at UCD include Applied Science (Environmental Science), Evolutionary Biology, Imaging & Microscopy and World Heritage Management.

International Study Opportunities

Students in third year have spent time at the following universities:

- University of Auckland, New Zealand
- University of California, Santa Barbara, USA
- University of Melbourne, Australia

Emmi Virkki
STUDENT

In Environmental Biology, you study everything between ground and sky, from microbes to animals, how ecosystems work and what we can do to keep them functional. There is an opportunity to travel abroad to collect data for your final year project between third and fourth year. I am heading to South Africa to study large mammals. After I finish my degree, I would like to do a PhD and work in research.

Olga Lastovetsky
GRADUATE

Science at UCD was my top choice. I knew then that I was interested in biology, chemistry and environmental science. After graduating with a BSc in Environmental Biology from UCD, I obtained a PhD position in the Department of Microbiology at Cornell University, USA. Currently I am working on my thesis which focuses on the molecular interactions between fungi and bacteria.
PhD student, Cornell University, USA

Find out more www.ucd.ie/**international**

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facebook.com/UCDScience

UCD School of Biology & Environmental Science
Science Centre (West), Belfield, Dublin 4

Other courses of interest

Agri-Environmental Sciences	→149
Zoology	→107
Plant Biology	→106
Cell & Molecular Biology	→99