

# BIOLOGICAL, EARTH AND ENVIRONMENTAL SCIENCES - CK404

## Overview

Students enter Second Science Biological, Earth and Environmental Sciences from the First Science Area of Study - (CK404) - and proceed to a BSc (Hons) Degree in one of:

- Applied Plant Biology (<https://ucc-ie-public.courseleaf.com/programmes/bscrbl/>)
- Ecology and Environmental Biology (<https://ucc-ie-public.courseleaf.com/programmes/bscreb/>)
- Environmental Science (<https://ucc-ie-public.courseleaf.com/programmes/bscres/>)
- Geoscience (<https://ucc-ie-public.courseleaf.com/programmes/bscrgc/>)
- Science Education (Biology route only) (<https://ucc-ie-public.courseleaf.com/programmes/bscsed/>) (for students who entered **prior to 2023/24**)
- Zoology (<https://ucc-ie-public.courseleaf.com/programmes/bscrzy/>)

The quotas for entry to the various degree programmes in Second Science are:

## Quotas for Second Year from CK404

Subject	Quota
Applied Plant Biology	25
Ecology and Environmental Biology	25
Environmental Science	25
Geoscience	25
Zoology	25

## BSc Ordinary Degree - NFQ Level 7, Major Award

Students who pass Third Year may choose not to proceed to Fourth Year and may opt instead to be conferred with a BSc Ordinary Degree (<https://ucc-ie-public.courseleaf.com/programmes/bscpas/>).

## Programme Requirements

For information about modules, module choice, options and credit weightings, please go to Programme Requirements (p. 1).

## Programme Requirements

### First Science Area of Study

Code	Title	Credits
<b>Year 1</b>		
Students take <b>60</b> credits as follows:		
<i>Core Modules</i>		
BL1002	Cells, Biomolecules, Genetics and Evolution	5
BL1004	Physiology and Structure of Plants and Animals	5
BL1006	Habitats and Ecosystems	5
BL1009	Grand Challenges in Biological, Earth and Environmental Sciences	5

CM1003	Introductory Chemistry for Environmental Scientists	10
EV1002	Introduction to Environmental Science	5
GL1001	Introduction to Geology	5
GL1004	Geological Evolution of Ireland	5
GG1010	Introduction to Physical Geography	5
MA1001	Calculus for Science Part 1	5
PY1009	Physics for the Environmental Sciences I	5

### Year 2

Select one of the following: <sup>1</sup>

Applied Plant Biology (<https://ucc-ie-public.courseleaf.com/programmes/bscrbl/>)

Ecology and Environmental Biology (<https://ucc-ie-public.courseleaf.com/programmes/bscreb/>)

Environmental Science (<https://ucc-ie-public.courseleaf.com/programmes/bscres/>)

Geoscience (<https://ucc-ie-public.courseleaf.com/programmes/bscrgc/>)

Science Education (Biology route) (for students who entered \*prior to 2023/24\*) (<https://ucc-ie-public.courseleaf.com/programmes/bscsed/>)

Zoology (<https://ucc-ie-public.courseleaf.com/programmes/bscrzy/>)

**Total Credits** **60**

<sup>1</sup> For students who entered first year from 2022/23, the degree outlets of Earth Science (<https://ucc-ie-public.courseleaf.com/programmes/bscrrer/>), Geography (<https://ucc-ie-public.courseleaf.com/programmes/bscrgg/>), Geology (<https://ucc-ie-public.courseleaf.com/programmes/bscrgl/>) and International Field Geosciences (<https://ucc-ie-public.courseleaf.com/programmes/bscrgs/>) have been replaced by the degree outlet of Geoscience (<https://ucc-ie-public.courseleaf.com/programmes/bscrgc/>). Geoscience is not available as a degree outlet for students who entered first year prior to 2022/23.

## BSc Degree Outlets

### BSc Single Honours

- Applied Plant Biology,
- Ecology and Environmental Biology,
- Environmental Science,
- Geoscience,
- Science Education (Biology route only) (for students who entered **prior to 2023/24**)
- Zoology

### For students who entered in/prior to 2021/22

- Applied Plant Biology
- Earth Science
- Ecology and Environmental Biology
- Environmental Science
- Geography
- Geology
- International Field Geosciences

- Science Education (Biology route only)
- Zoology

### Notes

1. Students who, for special reasons, wish to take modules not specifically allowed by the regulations, must make an application to the College.
2. Individual elective modules may occasionally not be offered in some calendar years.
3. For students who entered first year from 2022/23, the degree outlets of Earth Science (<https://ucc-ie-public.courseleaf.com/programmes/bscrer/>), Geography (<https://ucc-ie-public.courseleaf.com/programmes/bscrgg/>), Geology (<https://ucc-ie-public.courseleaf.com/programmes/bscrgl/>) and International Field Geosciences (<https://ucc-ie-public.courseleaf.com/programmes/bscrgs/>) have been replaced by the degree outlet of Geoscience. Geoscience is not available as a degree outlet for students who entered first year prior to 2022/23.

### Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.