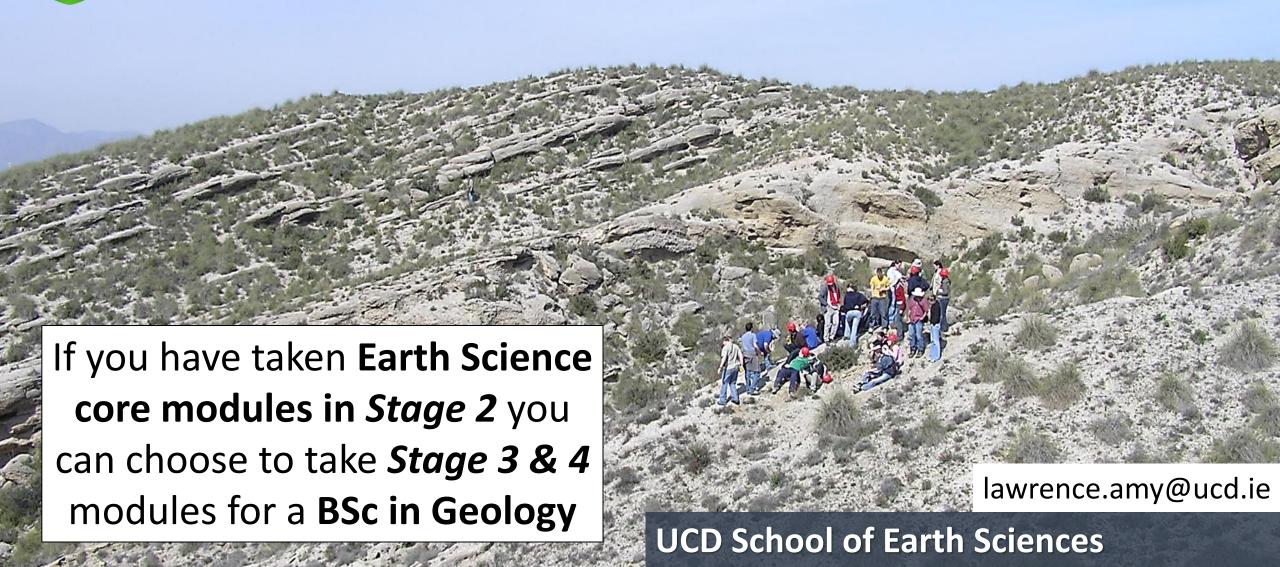


# BSc in Geology – Stages 3 & 4



# Geology Degree @ UCD

STAGE 1

### **ONE MANDATORY MODULE**

GEOL10060 Introduction to Earth Sciences

Must be taken in STAGE 1 OR STAGE 2

GEOL10020
Earth Science & Materials

**STAGE 2** 

#### TWO MANDATORY MODULES

GEOL20210
Field Geology and
Mapwork
(West of Ireland)

GEOL20250 Crystals to Sedimentary Rocks

Must be taken in STAGE 2 OR STAGE 3

GEOL20200 Dynamic Earth

#### **RECOMMENDED OPTION MODULES**

Can be taken in Stages 1 or 2

Can only be taken in Stage 1

GEOL10030 Field Geology Level 1 (Antrim) GEOL10040
Earth,
Environment and
Society

GEOL10050 Earth and Humanity Can be taken in Stages 1 or 2

GEOL20110 Global Environmental Change

GEOL20180 Geoscience for Sustainability

GEOL20240 Medical Geology STAGE 3

GEOL30040 Sedimentary Environments

GEOL30240 Igneous Petrology

GEOL30350
Geological Structures

GEOL30380
Geomaterials &
Geoenergy

GEOL30250 Geological Mapping (Mayo)

GEOL30010
Applied Palaeontology

GEOL30110
Metamorphic Petrology

GEOL30340 Low Temperature Geochemistry

GEOL30320 Geological Fieldwork (England)

GEOL30400
Digital Geology and GIS

**STAGE 4** 

GEOL40190 Ore Geology

GEOL40740
Marine Geoscience

GEOL40500 Applied Geophysics

GEOL40460 Advanced Geological Mapping

GEOL40510
Independent project

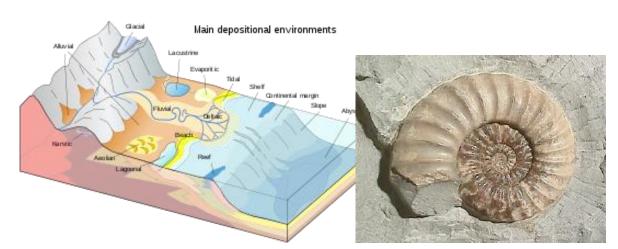
GEOL40490 Quaternary Geology

GEOL40470 Geological Fieldwork (Spain)

GEOL40290
Basin Analysis

GEOL30040 Sedimentary Environments

GEOL30010 Applied Palaeontology



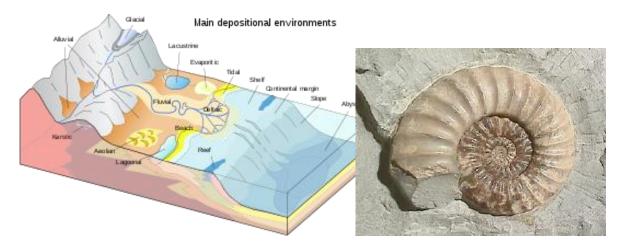




STAGE 3

GEOL30040 Sedimentary Environments

GEOL30010 Applied Palaeontology





GEOL30350 Geological Structures

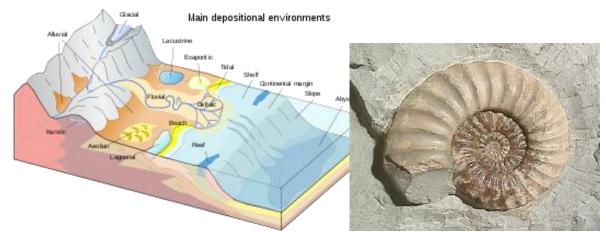
GEOL30340 Low Temperature Geochemistry

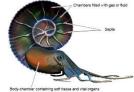


STAGE 3

GEOL30040 Sedimentary Environments

GEOL30010 Applied Palaeontology





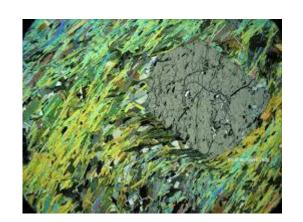
GEOL30350 Geological Structures

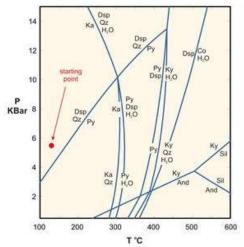
GEOL30340 Low Temperature Geochemistry

GEOL30240 Igneous Petrology

GEOL30110 Metamorphic Petrology

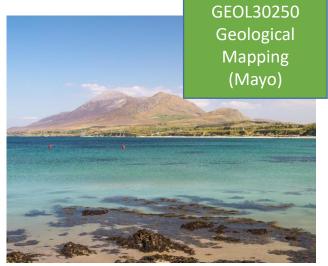






### STAGE 3











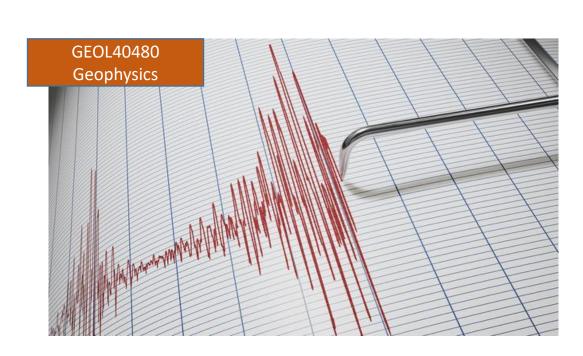
GEOL40190 Ore Geology

GEOL40290 **Basin Analysis** 

GEOL40740 Marine Geoscience

GEOL40460 Advanced Geological Mapping





Maria Noone winner of the Cunningham Award for best

undergraduate mapping projects in an Irish university

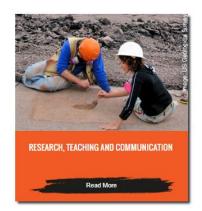
GEOL40510

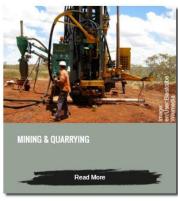
**Geological Mapping** 

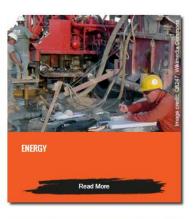
Research



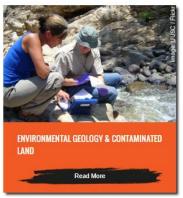
### What can you do with a geoscience background?

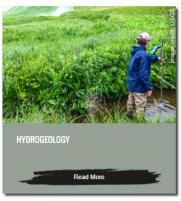








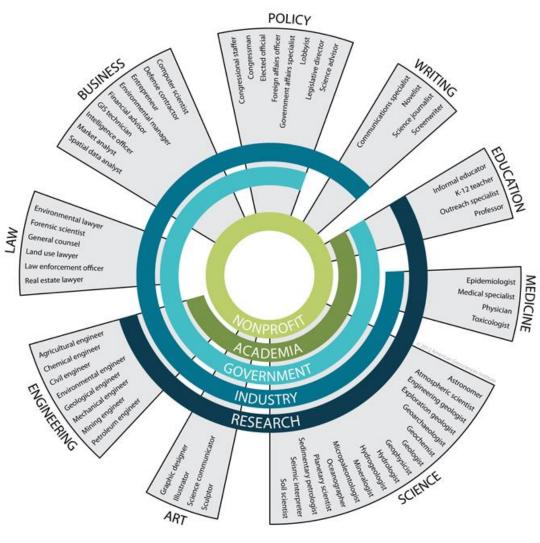












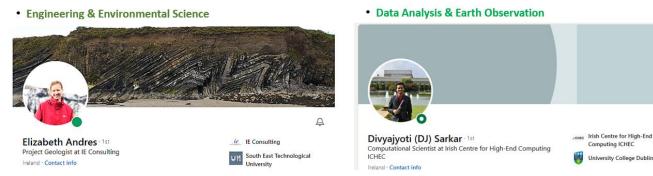
### What do our undergraduates go on to do?

Employability of our graduates is **very good** both **within Ireland** and **overseas** (related to the large fieldwork component, emphasis on practical workplace skills, work placements, and modifying the degree to reflect employers' needs)

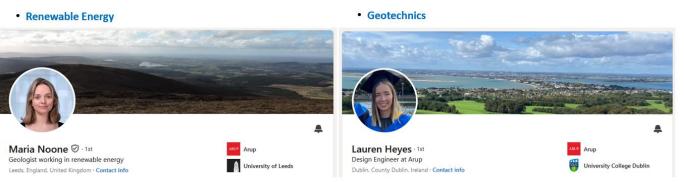
Our graduates are employed mainly in *geotechnical*, *mining*, *mineral exploration*, *hydrogeology* and *environmental* firms

Student *Work Placements* at the end of Stage 3 have lead to employment (e.g. with Arup in 2019 and 2024).

A 2024 focus group of employers emphasised the *high quality* of UCD SES graduates, their confidence and competence and the *need for more of our graduates* both *now* and in the *future* 







Camborne School of Mines



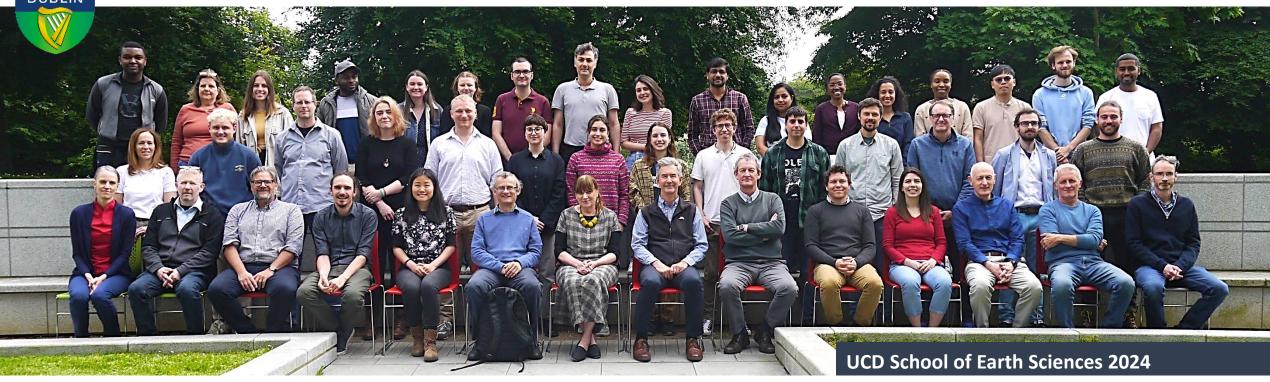
## **Earth Science & Sustainability**



Earth Science is directly involved in achieving more than half of the UN Sustainable Development Goals (and indirectly in several more).

## UCD DUBLIN

## Who are we?



- 17 lecturers with research expertise covering a wide range of Earth Science topics
- 6 student-friendly admin/technical staff
- 10 post-doctoral researchers
- 28 graduate research students



• Host to the industry-aligned Irish Centre for Research in Applied Geosciences



# BSc in Geology – Stages 3 & 4

