



*Geological Survey Ireland*

# GETTING STARTED IN GEOSCIENCE

## What is geoscience?

Geoscience is the study of the Earth and the processes that shape it. It allows you to study geology, climate change, natural hazards, natural resources and much more. By going into geoscience you are starting an adventurous career with global impact.

## Careers in geoscience

Geoscience offers the opportunity to have an exciting career across a range of sectors worldwide. Opportunities in Ireland are diverse, with geoscientists going into environmental consulting, geotechnical work, hydrogeology, government agencies, academia and much more. Studying geoscience opens the door to a rewarding career managing natural resources, supporting sustainable development or protecting the environment.

**Examples of careers include...**

**Geologist**

**GIS Technician**

**Environmental Consultant**

**Hydrogeologist**

**Oceanographer**

**Researcher/Academic**

**Geophysicist**

**Mining Geologist**

**Field Technician**

**Teacher**

**Engineering Geologist**

**Geotechnical Officer**

**Climate Scientist**

**Seismologist**

**Sustainability Consultant**



## Where to study geoscience?

Geoscience is a vast subject, encompassing areas of geology, geography, biology, chemistry, physics and sustainability.

**Here are some of the many undergraduate courses (NFQ Level 8) in geoscience in Ireland, those in bold are the most relevant to the geoscience discipline.**

| Code           | Course Name                                                  | University                           |
|----------------|--------------------------------------------------------------|--------------------------------------|
| AU693          | BA Geography and Outdoor Education                           | ATU, Castlebar                       |
| AU694          | BA History and Geography                                     | ATU, Castlebar                       |
| CK101          | BA Arts - Geography                                          | UCC                                  |
| CK108          | BA Arts International - Geography                            | UCC                                  |
| <b>CK404</b>   | <b>BSc Biological, Environmental and Geological Sciences</b> | <b>UCC</b>                           |
| DC294          | BSc Climate and Environmental Sustainability                 | DCU                                  |
| <b>DN200</b>   | <b>BSc Science - Earth and Environmental Science</b>         | <b>UCD</b>                           |
| DN520          | BA Joint Honours - Geography                                 | UCD                                  |
| DN700          | BSc Social Sciences (two subjects) - Geography               | UCD                                  |
| <b>GY134</b>   | <b>BSc Geography and Geosystems</b>                          | <b>University of Galway</b>          |
| <b>GY314</b>   | <b>BSc Earth and Ocean Sciences</b>                          | <b>University of Galway</b>          |
| LM002          | BA Arts - Geography                                          | University of Limerick               |
| LM019          | BSc in Social Sciences- Geography                            | University of Limerick               |
| MH101          | BA Arts - Geography                                          | Maynooth University                  |
| <b>MH203</b>   | <b>BSc Biological and Geographical Sciences</b>              | <b>Maynooth University</b>           |
| MI002          | BA Arts - Geography                                          | MIC, Limerick                        |
| <b>Dual-BA</b> | <b>BA Geoscience: Geography and Geoscience</b>               | <b>TCD &amp; Columbia University</b> |
| <b>TR062</b>   | <b>BA Geography and Geoscience</b>                           | <b>TCD</b>                           |
| TR111          | BA Geography and Ancient History and Archaeology             | TCD                                  |
| TR198          | BA Geography and Economics                                   | TCD                                  |
| <b>TR240</b>   | <b>BA Geography and Computer Science</b>                     | <b>TCD</b>                           |
| TR322          | BA Geography and History                                     | TCD                                  |
| TR326          | BA Geography and Modern Languages                            | TCD                                  |
| TR328          | BA Geography and Political Science                           | TCD                                  |
| TR332          | BA Geography and Sociology                                   | TCD                                  |