

# International Field Geosciences

## BSc

College of Science,  
Engineering and Food  
Science



University College Cork, Ireland  
Coláiste na hOllscoile Corcaigh

### Introduction

This joint degree programme utilises the natural field geoscience laboratories in Europe and the western United States as the basis for an undergraduate programme. The core curriculum is identical to the BSc Geology at UCC, except for Year 3 (60 credits) which is spent abroad at the University of Montana.

### Why Study

The BSc International Field Geosciences (IFG) is a joint Bachelor of Science undergraduate degree that focuses on the documentation, interpretation and synthesis of critical geological issues in the field.

The degree rests upon a backbone of existing modules that are the foundation of current geology courses at UCC and the University of Montana, complemented by an emphasis on the development of field-based learning in an intercultural setting.

### Work Placement

Year 3 is spent studying geoscience modules at the University of Montana. In addition, a work placement module is available as an elective in the fourth year of the degree which enables students to spend 6 to 10 weeks in a structured working environment.

### Careers

In recent years, graduates have gained employment in the area of environmental geology and have worked at home or abroad in diverse fields such as infrastructure and engineering projects, geotechnical site investigations, hydrogeology, landfill management and environmental impact and protection. Currently our graduates are in high demand and are being actively recruited by hydrocarbon and mineral exploration companies, guaranteeing unrivalled opportunities to work overseas.

### Further Study

UCC international field geoscience graduates can pursue geological research at MSc and PhD level in a range of focused topics in geosciences, such as: environmental geology, palaeontology, volcanic studies, crustal geology and geochemistry, structural geology, marine geology, and sea-bed mapping.

## CK404

### DEGREE OUTLET

### COURSE PAGE ONLINE

[www.ucc.ie/en/ck404/geosciences](http://www.ucc.ie/en/ck404/geosciences)

### CONTACT INFORMATION

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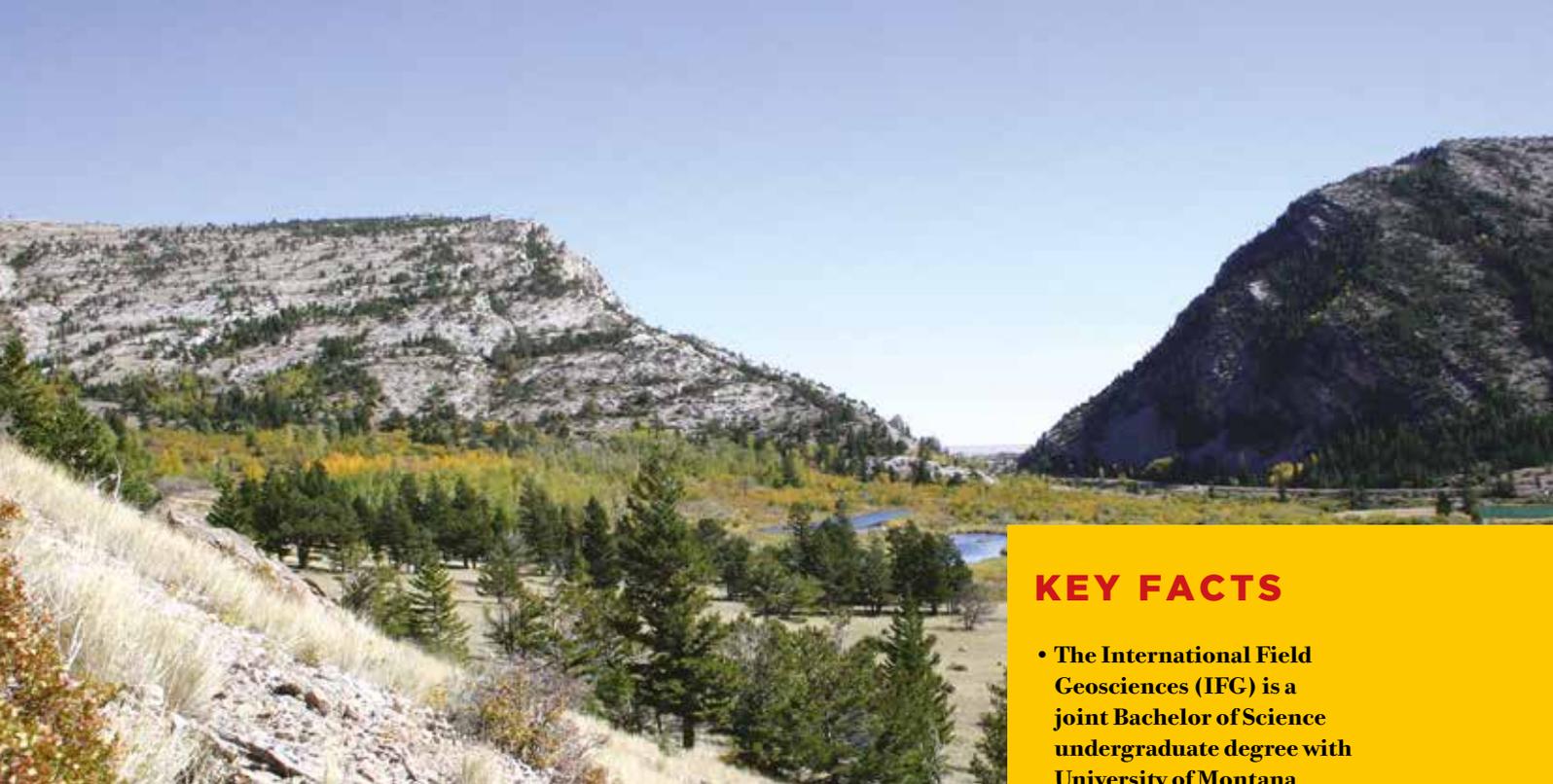


### KATHLEEN NOLAN

BSC INTERNATIONAL FIELD  
GEOSCIENCES 2011

*"I am a BP Geoscientist, working in the heart of the North Sea oil and gas industry. The hard work I put in whilst doing the IFG degree won me a scholarship to do MSc by Research in Petroleum Geosciences at the University of Manchester. Having the IFG qualification on my CV makes me stand out from the crowd."*

#uccmakeyourmark



## KEY FACTS

- The International Field Geosciences (IFG) is a joint Bachelor of Science undergraduate degree with University of Montana
- The degree focuses on documentation, interpretation and synthesis of critical geological issues in the field
- IFG curriculum is identical to the BSc Geology except for year 3 which is spent studying at the University of Montana

### Year 1 Modules

**BL1002** Cells, Biomolecules, Genetics & Evolution (5 credits); **BL1004** Physiology and Structure of Plants and Animals (5 credits); **BL1005** Habitats and Ecosystems (5 credits); **CM1003** Introductory Chemistry for Environmental Scientists (10 credits); **ER1006** Applied Earth Systems (5 credits); **EV1002** The Environment (5 credits); **GL1001** Introduction to Geology (5 credits); **GL1004** Geological Evolution of Ireland (5 credits); **GG1010** Introduction to Physical Geography (5 credits); **MA1001** Calculus for Science Part 1 (5 credits); **PY1009** Physics for the Environmental Sciences I (5 credits)

### Year 2 Modules

**CORE:** Crystallography, Optics and Mineralogy; Sedimentological Processes and Sedimentary Petrology; Igneous and Metamorphic Petrology; Easter Field Course; Structural Geology; Geohazards and Research Skills; Fossils as Living Organisms

**ELECTIVES:** French; German; Spanish; Quaternary Environments and Geomorphology; The Atmospheric Environment; Biogeography; Coastal and Marine Geomorphology

### Year 3 Modules

Year spent at the University of Montana studying various topics in the geosciences

### Year 4 Modules

**CORE:** Mapping Project or Research Project; Advanced Field Geosciences or Crustal Evolution of NW England (residential field course)

**ELECTIVES:** Evolution for Geologists; Practical Offshore Marine Science; Advanced Structural Geology; Stratigraphy; Geological Map Interpretation; Igneous and Metamorphic Petrology; Micropalaeontology and Palynology; Petroleum Geology and Basin Analysis; Applied Geophysics; Advanced Igneous Processes; Economic Geology; Geological Work Placement; Exceptional Glimpses of Ancient Life; Geochemistry