



OLLSCOIL NA
GAILLIMH
UNIVERSITY
OF GALWAY

Coláiste na hEolaíochta
& na hInnealtóireachta
College of Science
& Engineering



BSc

Earth and Ocean Sciences

GY314

University
ofGalway.ie

BSc

Earth and Ocean Sciences

GY314

Why choose this course?

Earth and Ocean Sciences is a unique degree programme in Ireland. It investigates the Earth from the inside out (from the depths of the planet's core to the highest reaches of the atmosphere, at the very edge of space) and aims to enhance understanding of Earth's surface and ocean environments. A myriad of complex physical and chemical processes that have sculpted the Earth over the last 4.6 billion years. The conditions these processes created even permitted the evolution of life in Earth's very distant past, an apparently unique feature of this planet within the Solar System.

This course exposes graduates to a global career market, trains scientists who can investigate issues of global change and also strongly aligns with UN sustainability development goals.

Course Overview

This unique degree provides students with the necessary tools to investigate the epic and dramatic history of environmental fluctuation and evolution on Earth, in order to help us better understand the changes our planet is currently undergoing, including the global climate and environmental problems we urgently need to address. Additionally, the energy and raw materials that human society depends on are underpinned by the geosciences, so, to manage these resources sustainably we need to understand their place within the broader Earth system.

University
ofGalway.ie

Career Opportunities

EOS graduates are among the 25,000 people currently working in geosciences in Ireland. They are working as science communicators and as tour guides, scientific officers, technologists, research scientists, map makers, teachers, lecturers and consultants. Some work for government agencies (Environmental Protection Agency, Geological Survey Ireland, Geological Survey Northern Ireland, Office of Public Works, and the Marine Institute), and some work in environmental and engineering consultancies here and around the world working on renewable (geothermal, wind, wave) energy projects, dealing with flood management and water management, assessing environmental impacts of various projects, finding and managing economic resources.

Duration

4 years

Under the guidance of an incredibly enthusiastic faculty, I studied a range of geological and oceanographic subjects, tackling everything from global tectonics to climate change. Our classroom learning was heavily reinforced by a series of amazing residential field trips to Antrim, Wexford, Wales, and also time on the research vessel 'Celtic Voyager'. This course truly prepares students for roles in industry or postgraduate study, and I honestly couldn't recommend it highly enough.

Weston Harding
BSc Earth and Ocean Sciences



Find out more
School of Natural Sciences



Dr. Eve Daly
Programme Director
eve.daly@universityofgalway.ie

