GEOLOGICAL OCEANOGRAPHY (MSci)

PRIFYSGOL BANGOR UNIVERSITY

The geology of the Earth contains a vast amount of information about its past. Unlocking these secrets is vital to enhance our understanding of modern day processes in an era of climate change. Our Geological Oceanography degree focuses on the study of the geological processes that shape our planet.

COURSE OVERVIEW

Our MSci with specialisation in geological oceanography is similar to the three-year BSc in Geological Oceanography. You study marine sediments within an Earth system science context. It is concerned with sedimentary processes (the origin, transport and deposition of marine sediment), and with marine sedimentary deposits, in particular, those formed in the past two million years but also further back in time. The MSci differs from the BSc course in that it places particular emphasis on gaining skills and knowledge of direct relevance to the offshore survey and energy industry.

WHY CHOOSE BANGOR?

We have offered degrees in marine geoscience for more than 50 years, with our graduates progressing to be leaders in both the offshore industry and academia. We have also established ourselves at the forefront of international marine research by recruiting a team of world leading researchers who cover the full spectrum of marine geology, physics, chemistry and biology. We have some of the best facilities for studying the marine environment in the UK.

We are based on the shores of the Menai Strait, on the Isle of Anglesey, surrounded by amazing field sites, where we regularly take students to learn about ocean science in the field.

WHO SHOULD STUDY THIS?

This course is for students interested in geology and have a passion for our oceans. It is suitable if you want to undertake a rigorous course with the challenge of geological research, whilst learning practical skills that are directly applicable to employment.

CAREER PROSPECTS

Geological Oceanographers are required to tackle issues such as offshore site investigation related to renewable energy infrastructure and hydrocarbon exploration, climate and sea-level change, and coastal erosion. These are challenging areas of development; there is currently a shortage of suitably qualified people for these roles. Upon graduation, you will not only have a deep understanding of the 'Earth system', but you will also have a broad range of practical skills in sedimentology, geophysics and geotechnics. Data integration capabilities across these disciplines are in short supply within the offshore industry, but are widely recognised by employers as being of great value.

WHERE ARE YOU TAUGHT?

The School of Ocean Sciences is located on the seashore in Menai Bridge on the Isle of Anglesey, about two miles from the main University site in Bangor. Most of your first and second year learning will take place in Bangor in the University lecture theatres that are close to the Halls of Residence, Students Union and Sports facilities. You will come to Menai Bridge for practicals and tutorials. Half of the third year and almost all of the fourth year of learning will take place in Menai Bridge. Most final year students choose to remain close to the University social scene by living in Bangor and commuting daily to Menai Bridge, but some find accommodation in Menai Bridge town itself.

FIRST YEAR

The first year of the MSci degree provides you with a fundamental understanding of important elements of marine science, including geology, oceanography and basic research skills. You will study through lectures, tutorials, laboratory practicals and fieldwork to develop essential skills that provide the foundation for your development in future years.

SECOND YEAR

You will deepen your knowledge of earth science and the oceans, as well as further developing essential practical skills in the field and laboratory. You will conduct a multidisciplinary research project providing a taster for interdisciplinarity in research.

THIRD YEAR

In the third year, modules will present more complex theories. The geophysics module will be of particular value for industry employment and you will get the chance to attend recruitment seminars from potential employers. You will undertake the coastal sediments field study as part of our annual residential field trip (at the end of your second year), putting your skills to the test. Overall, you will develop a deeper understanding of geological oceanography.

FOURTH YEAR

In your final year, further practical skills are gained in the form of marine geophysical surveys, supplemented by laboratory practicals where you learn how to test the physical and engineering properties of sediments. You will put all of this together in a substantial research project, all of which will help prepare you for life as a graduate.

Detailed module information is available at: http://seasci.uk/mgo

ENTRY REQUIREMENTS

120 - 136 points at A2/AS level (or equivalent) including A2 in two science subject (Physics, Maths, Chemistry, Biology, Geography, Geology, Environmental Science), plus Grade C in GCSE Maths, Core Science, Additional Science and English. We consider Access and BTEC National Diploma applicants and mature students on an individual basis.

FURTHER INFORMATION

Admissions Administrator
School of Ocean Sciences
Bangor University
Menai Bridge, LL59 5AB
Tel: 01248 382851
sos-ug-admissions@bangor.ac.uk
www.bangor.ac.uk/oceansciences

APPLICATION PROCEDURE

Applications must be made via UCAS (www.ucas.ac.uk).
UCAS code F652.

Scan the QR code or visit the link below: http://seasci.uk/mgo to learn more about our MSci (GO) degree.

Learn about the blue planet with world leading experts at the School of Ocean Sciences