MARINE ENVIRONMENTAL STUDIES

PRIFYSGOL BANGOR UNIVERSITY

The ocean plays a crucial role in providing the human race with food, energy and minerals, and also in regulating climate. Our environment faces challenges such as global warming, sea level rise, marine pollution, hydrocarbon exploration, agriculture, urbanisation, waste dumping at sea, fisheries and eco-tourism. Understanding these impacts requires a broad, interdisciplinary approach, which is embodied in this degree.

COURSE OVERVIEW

The Marine Environmental Studies degree is concerned with the global marine environment. It is a fully integrated marine science course that incorporates all aspects of the marine system - physical, chemical, biological, and geological. In addition, it also covers issues such as management of the coastal zone, environmental policy, and sustainable development. The course covers the whole ocean but concentrates on the coastal and shelf seas since these are the focus of greater socio-economic activity and are the most susceptible to climatic and human-induced change.

WHY CHOOSE BANGOR?

We have a long tradition of teaching in the marine sciences, and have established ourselves at the forefront of international marine research. In achieving this we have recruited 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 the marine environment in the field.

WHO SHOULD STUDY THIS?

Our Marine Environmental Studies degree is ideal if you are interested in the complete ocean system, including aspects of management or applied science and if you wish to pursue a science-based course with emphasis on practical skills and fieldwork.

CAREER PROSPECTS

Graduates from the Marine Environmental degree are prepared for careers with policy makers (e.g. the European Union through to regional or local agencies), regulatory authorities (e.g. Environment Agency, Natural Resources Wales) and other administrations that require expert knowledge of marine science and its socio-economic implications at local and regional levels, such as conservation organisations. Some move out of marine science altogether but will find that they can apply many of the skills they have learnt including information technology, communication and report writing skills, practical problem solving, and group working, to a wide variety of careers.

WHERE ARE YOU TAUGHT?

The School of Ocean Sciences is located on the seashore in Menai Bridge on the Isle of Anglesey, about three 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. In your final year, most of your 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 Marine Environmental Studies degree provides you with a fundamental understanding of important elements of marine science, including geology, oceanography and basic research skills. You have the option to improve your language and communication skills or you can choose to specialise in environmental chemistry or in Environmental Management and Conservation. 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 focus on shelf sea processes (physical and biological) and link these processes with marine environmental challenges such as climate change, pollution or offshore developments. You will conduct a multidisciplinary research project providing a taster for interdisciplinarity in research.

THIRD YEAR

In the final year you will put the concepts you learned into practice and modules will present more complex theories. You can choose how you apply your knowledge to answer coastal or marine scientific hypotheses or to environmental policy making. You will undertake the coastal sediments field study as part of our annual residential field trip (takes place in June at the end of your second year). Overall, you will develop a deeper understanding of the marine environment and prepare for life as a graduate.

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

ENTRY REQUIREMENTS

112 - 128 points at A2/AS level (or equivalent) including A2 in two science subjects (desirable). Suitable subjects are Biology, Physics, Maths, Chemistry, Geography, Geology, Environmental Science, Computing), plus Grade C in GCSE Maths, Core Science, Additional Science and English. We consider other subjects, Access and BTEC National Diploma applicants and mature students on an individual basis.

FURTHER INFORMATION

Admissions Administrator
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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 F710.

Scan the QR code or visit the link below: http://seasci.uk/mes to learn more about Marine Environmental Studies.

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