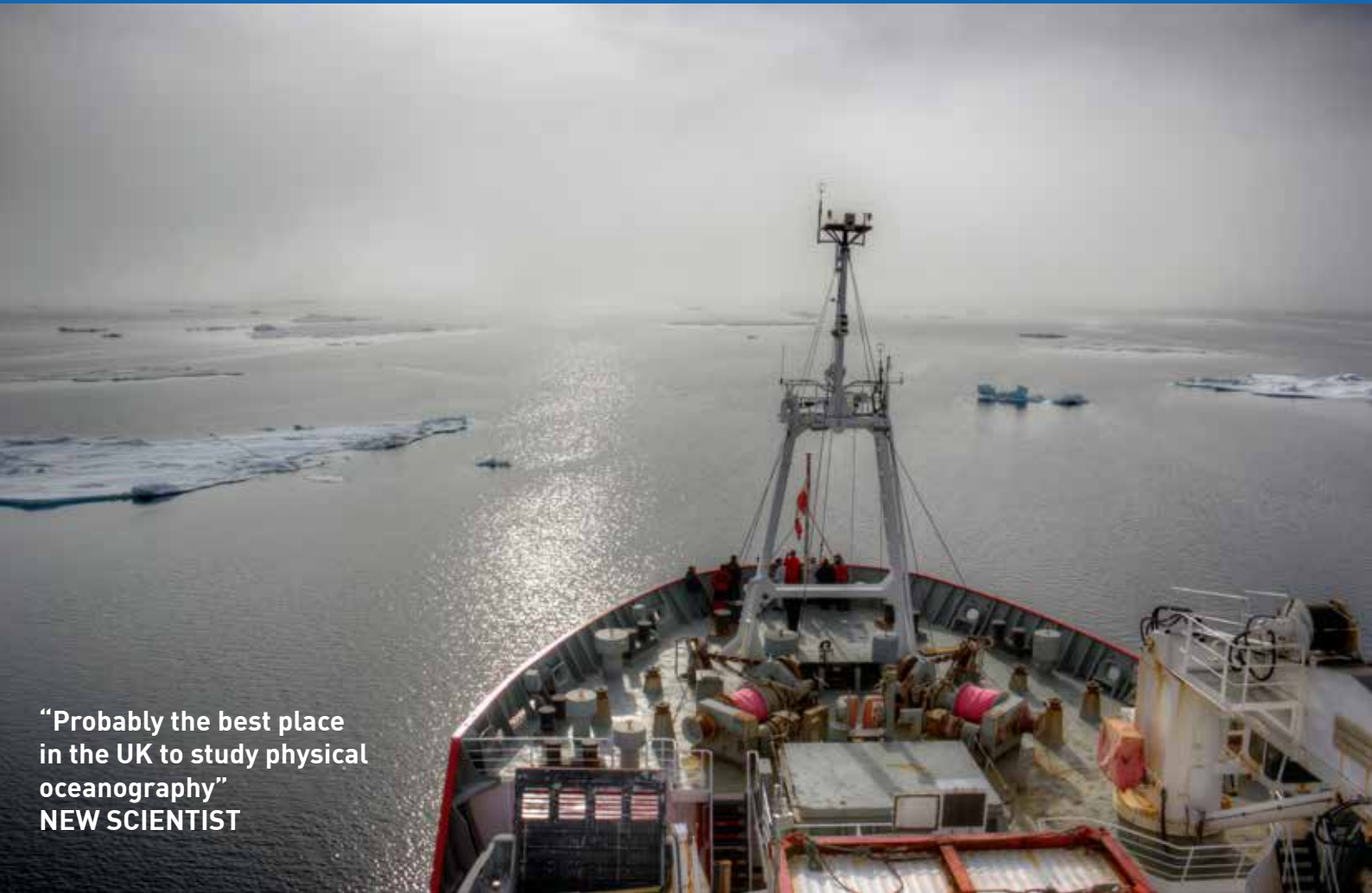


PHYSICAL OCEANOGRAPHY (MSci)



PRIFYSGOL
BANGOR
UNIVERSITY



“Probably the best place
in the UK to study physical
oceanography”
NEW SCIENTIST

Understanding the physics of the oceans is of global importance. The oceans help regulate global climate and directly affects every person on this planet. Our Physical Oceanography degree focuses on the study of the processes that drive the ocean and that link it to the atmosphere and the cryosphere.

COURSE OVERVIEW

Our Physical Oceanography degree is concerned with the physics of the ocean and understanding the forces which shape the global climate by moving heat around planet Earth. Physical Oceanographers are in great demand and are required to tackle issues such as predicting future climate and

sea-level change, marine pollution dispersion, offshore engineering and exploitation of marine renewable energy. In your 4th year, you will undertake advanced MSc-level modules in physical oceanography and undertake your own research project with a leading UK oceanographer.

WHY CHOOSE BANGOR?

We have offered degrees in Physical Oceanography for more than 50 years, with our graduates going on to be leaders in both the offshore industry and academia. We have also 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 ocean science in the field.

WHO SHOULD STUDY THIS?

This course is for students interested in the physical environment of our oceans and who want to undertake a rigorous course with the challenge of research in oceanography.

CAREER PROSPECTS

The Physical Oceanography degree provides an ideal preparation for careers in climate change research, marine renewable exploitation, offshore industry, environmental impact assessment, the water supply industry, coastal zone management as well as government advisory bodies and the scientific media. We have a strong record of graduate employability supported by a large Alumni association that contains many of the leaders of the UK's off-shore industry. Many of our graduates maintain strong links to the School and some return regularly to talk to current undergraduates about career prospects.

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.

FIRST YEAR

In the first year, you will learn about the Earth system and the important role the oceans play in determining climate. You will gain 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 physical oceanography, as well as further developing essential skills

in the field and laboratory. You will conduct a multidisciplinary research project providing a taster for interdisciplinarity in research.

THIRD YEAR

Through modules in numerical techniques and ocean modelling you will learn state-of-the-art modelling techniques that will enable you to put the complex theories you have learned into practice.

FOURTH YEAR

In the final year you will take more advanced modules, such as Ocean Dynamics and Advanced Laboratory and Practical Oceanography. You will also complete an independent research project of your choice, supervised by one of our staff members, many of whom are leading UK oceanographers.

Detailed module information is available at: <http://seasci.uk/po>



ENTRY REQUIREMENTS

120 - 136 points at A2/AS level (or equivalent) including A2 in two science subjects (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 F734,

Scan the QR code or visit the link below: <http://seasci.uk/po> to learn more about our MSci in physical oceanography.

