

# MASTER OF SCIENCE

## 4 YEAR COURSES



PRIFYSGOL  
**BANGOR**  
UNIVERSITY



**The oceans are vitally important for many people around the world. We look to them for a variety of reasons including food, resources and climate regulation. We are becoming increasingly aware that the oceans are changing. Therefore, we need a new generation of marine scientists to further our understanding of our oceans.**

### COURSE OVERVIEW

These courses are four-year, extended undergraduate Masters level degrees designed to produce graduates who have significant research skills. For the first three years, you will follow one of our BSc degree courses that is appropriate for your 4th year. Providing you have obtained satisfactory

marks in your 2nd and 3rd year, you will proceed to the specialised 4th year. In this year, you will initially be trained in project planning and advanced research and analytical skills. You will then embark on your substantial research project in a subject of your own choice (subject to practical restrictions). As part of this you will enter an active research environment and be striving to produce publishable work in collaboration with staff members.

### 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. We have recruited a team of

world leading researchers that covers 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 marine environment who want to experience the challenge of marine science research in an area of your choosing.

## CAREER PROSPECTS

In recent years there has been rising demand from employers for marine science graduates with strong practical skillsets and knowledge. The experience gained from working in a research environment during your 4<sup>th</sup> year project will prepare you for potential PhD study and possibly a research career. 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 a significant proportion do find accommodation in the pleasant environment of Menai Bridge town itself.

## FIRST THREE YEARS

For the first three years of your degree, you will follow one of our BSc programmes. This will provide you with a fundamental understanding of important elements of marine science and biology. As this degree progresses, you will deepen your knowledge of marine science as well as further developing essential practical skills in the field and laboratory. You will study through lectures, tutorials, laboratory practicals and fieldwork to develop essential skills that provide the foundation for your development for your 4<sup>th</sup> year.

Providing that you achieve a satisfactory mark at the end of your second year, you will progress to the 3<sup>rd</sup> and then the 4<sup>th</sup> year. However, if you do not, you will continue with the 3<sup>rd</sup> year, and if successful, graduate at the end of that year with a BSc degree from your chosen degree programme.

## FOURTH YEAR

In the final year you will be taught advanced research concepts and you will put them into practice within your own research project. The project period generally lasts around eight months, during which you will practice time management and independent working as you develop your ideas and skills. You will produce your own thesis from the results you collect, present your results orally, and design a research poster.

Detailed module information for the fourth year is available at:

MSci: <http://seasci.uk/msci>



## ENTRY REQUIREMENTS

112 - 136 points at A2/AS level (or equivalent) including A2 in Biology and one other science subject (Physics, Maths, Chemistry, 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](mailto:sos-ug-admissions@bangor.ac.uk)  
[www.bangor.ac.uk/oceansciences](http://www.bangor.ac.uk/oceansciences)

## APPLICATION PROCEDURE

Applications must be made via UCAS ([www.ucas.ac.uk](http://www.ucas.ac.uk)). Visit the link below to learn more about our extended undergraduate courses:

<http://seasci.uk/msci>

