

NEW

BSC (HONS) TOP UP DEGREE MARITIME OPERATIONS MANAGEMENT

This is a future-focused programme that will enable you to develop the essential knowledge and skills preparing you for future success in your career and life across the maritime industry.



FLEETWOOD NAUTICAL CAMPUS



ABOUT THIS PROGRAMME

Duration: 28 weeks

Cost of the programme: £7,000-£8,750 (depending on pathway)

Career opportunities: On completion of the programme, you will be dually qualified, with a core technical qualification and a management qualification, allowing you to work in shore based roles. You will be eligible to apply for a graduate visa to work in the UK for two years.

More information can be found at: www.gov.uk/graduate-visa

Placements: During your programme, we may be able to arrange work placements and other industry experience, subject to availability.

Intakes: There are three intakes a year, in January May and September

The programme is validated by the prestigious Lancaster University - who have celebrated its future-focused approach - and is aligned to both the current and future needs of the entire maritime industry, with emphasis on the technical management of resources, emerging and future technologies, and the management of data, projects and green shipping.

Out of over 120 universities, Lancaster University consistently ranks in the top twenty in the three main league tables. They won two major awards from The Times and the Sunday Times Good University Guide and were named the International University of the Year in the 2020 guide.

WHAT ROLES DOES IT MAKE ME SUITABLE FOR?

Successful completion of the programme, could lead to a number of maritime roles such as:

- + Port Manager
- + Fleet Manager/Superintendent
- + Ship Manager
- + Maritime Administration/Business Services
- + Maritime Education and Training Manager
- + Marine Surveyor

ACADEMIC PROGRESSION

A level 6 BSc (Hons) qualification can take you into higher positions within the industry, a research profession, or teaching careers in further and higher education.

ENTRY REQUIREMENTS

Entrants onto the programme will have successfully completed a relevant level 5 qualification, either the STCW-aligned Foundation Degree or Advanced Diploma/Higher National Diploma at Fleetwood Nautical Campus in the five years prior to BSc (Hons) course commencement.

Students enrolling onto the programme with an Advanced Diploma/Higher National Diploma will be required to undertake a three week pre-entry bridging module prior to the course commencement, which will be delivered via blended learning.

WHAT'S INVOLVED?

The BSc (Hons) Maritime Operations Management offers two study options - a flexible blended approach or an on-site approach*.

The programme requires on-site attendance for lectures, seminars and workshops at Fleetwood Nautical Campus for the first term of delivery (up to 14 weeks) in line with your study timetable*. You then have the opportunity to move into a flexible blended delivery of the programme, enabling you to study remotely for the second term of delivery or remain on-site for the full programme*.

For each hour of lecturer contact, you can typically expect to undertake an additional 2-3 hours of work.

FLEXIBLE BLENDED APPROACH

Term one: You will attend Fleetwood Nautical Campus for the first term* where all learning and teaching sessions will be face-to-face with module specialists and your peers.

Terms two and three: The subsequent two terms you will complete via remote learning. You will not be expected to attend any face-to-face sessions* and your assessments will be submitted online.

ON CAMPUS APPROACH

You will attend Fleetwood Nautical Campus (FNC) for the full three terms of the programme*.

Term one: Alongside your peers on the blended approach, you will experience face-to-face learning and teaching with module specialists*.

Terms two and three: You will experience the remote learning and teaching sessions with your peers whilst based in a physical work environment at FNC. Your assessments will be submitted online. In support of your dissertation you will have face-to-face supervision with term 3 concluding with your dissertation and presentation.

*Subject to Covid restrictions

GRADUATE OUTCOMES

The following strands linked to graduate outcomes have been identified:

- + Lifelong learning and career development
- + Collaborative teamwork and leadership skills
- + Personal and intellectual autonomy
- + Ethical, social and professional undertaking
- + Communication, information and digital literacies
- + Global citizenship
- + Research, scholarship and enquiry skills
- + Enterprise and entrepreneurial awareness and capabilities

MODULES

Your programme will comprise the following modules, which are common across all three programme pathway options:

Digital Ship Management (DSM, Mandatory)

This module will introduce you to the rapidly developing field of data science and machine learning and their applications in the field of Maritime Operations Management and builds on previous subjects utilising IT for technical vessel operations and management. The practical elements of the module will include both on-site and cloud-based activities, supporting the developing of your knowledge and understanding, which will align to industrial applications when managing the digital aspects of ship management. This will introduce you to concepts of Data Science and Artificial Intelligence and how such information can be used to manage ships.

Management of Maritime Projects (MMP, Mandatory)

This module allows you to critically appraise the application of maritime based projects, recognising the importance of the adoption of formal project management procedures in order to bring about successfully implemented changes within the sector. The module aims to provide you with insight into the interdependent processes and systems used to enable a successful project environment, whilst recognising both internal and external factors which will influence successful outcomes. During the module you will have the opportunity to investigate contemporary project case studies surrounding green and sustainable initiatives within the sector, discussing the success factors which allow for the forward movement of these projects and initiatives.

Green Ship Management (GSM, Mandatory)

This module helps you develop knowledge on topics ranging from legal frameworks to corporate social responsibility. This is critical for developing an effective approach to managing maritime operations in a sustainable manner. Furthermore, you will build on your existing technical knowledge and experience within the industry to inquire into utilisation of specific technical solutions, such as decarbonisation, greenhouse gas (GHG) emission reduction, ballast water management and voyage optimisation. You will analyse these technical aspects of vessel operations with an aim to manage maritime operations in a sustainable manner and to reduce the environmental impact of shipping.

Future Shipping Technologies (FST, Elective)

This module allows you to critically reflect on how technology will progressively transform the maritime industry. This module builds on previous learning related to marine navigation systems, bridge and shipboard management. You will consider a range of technologies that are already transforming the industry and some that are still being pioneered and are not yet widely adopted. The scope of this module includes the three key areas of concern for deck officers and masters – safety and efficiency of navigation, cargo and port operations and maritime business, from the perspective of maritime operations management. This module will look at technologies such as Augmented Reality/Mixed Reality, Blockchain, Digital Aids to Navigation, Maritime Autonomous Surface Ships, SMART Ports and Cybersecurity.

Future Electro Technical Systems (FET, Elective)

In this module you will critique the management, design, sustainability, manufacturing, installation, commissioning, operation, monitoring, maintenance and decommissioning of electrical and electronic engineering systems. You will also consider the strategies applied to each of these areas and their through-life sustainability, and the overall effectiveness of these strategies. You will go further, critiquing the potential challenges of applying electro-technical systems in relation to vessel automation. Research will focus on the exploration of emerging and the future management of technology implementation in a maritime environment, utilising a range of different media including web-based, electronic, digital and hard copy media, such as the Institute of Marine Engineering, Science and Technology journals, research papers and articles.



Future Engineering Technologies (FEngT, Elective)

In this module you will assess the design, manufacturing, installation, commissioning, operation, monitoring, maintenance and decommissioning of engineering systems. Throughout this module you will consider the strategies applied to each of these areas, their through-life sustainability and the overall effectiveness of these strategies. The module will give you the opportunity to critique the potential challenges of applying engineering technologies in relation to vessel autonomy. You will do so by interrogating the future requirements and development of autonomous vessels and the subsequent implementation of engineering systems. Your research will focus on the exploration of emerging and future technology implementation in a maritime environment, utilising a range of sources such as the Institute of Marine Engineering, Science and Technology journals.

Dissertation (DST, Mandatory)

This module provides you with an opportunity to engage in research and communicate its outcomes through a written dissertation and presentation. It builds on previous academic study modules, and subjects covering shipboard operations and management. This module will enable you to apply core and specialist maritime knowledge, skills and behaviours developed on the programme to a specific area of interest.

The project will be negotiated, planned and completed in conjunction with a designated subject specific supervisor and also the module leader. The dissertation will enable you to evidence critical thinking, problem identification and solving skills, business and commercial understanding along with the competencies, behaviours and aptitudes of a maritime professional. The research project will culminate in a written dissertation and presentation of the outcomes to a panel of tutors, supervisors and (where applicable) external guests.

MORE INFORMATION

Please email one of our academic team on E.BSc.Fleetwood@blackpool.ac.uk

Or, you can take a look at our website fleetwoodnautical.blackpool.ac.uk/courses/merchant-navy-deck