

COURSE DETAILS - (MD1EC138)

Course title	SQA Advanced Certificate in Nautical Science / SQA Exam Route UK Officer of the Watch Unlimited (OOW) II/1 Certificate of Competency (CoC)
Accredited by	This is a Scottish Qualifications Authority (SQA) qualification
Award to be received	SQA Level 4 Advanced Certificate in Nautical Science
Regulated by	Quality Assurance Agency for Higher Education (QAA)
Duration of Course	The maximum course duration is 5 years. We would expect a diligent student to complete the academic work in around 24-36 months; however, this is dependent on each individual's circumstances.
Location of Study	The SQA Advanced Certificate in Nautical Science will be delivered using a blend of learning styles with formative assessments conducted by distance learning and both practical and summative assessments being conducted at college.

COURSE UNIT DETAILS:

The Advanced Certificate in Nautical Science accredited by the SQA incorporates the following modules.

MODULE CODE	TITLE
HW6P 47	Chartwork and Tides
HW6E 47	Navigational Mathematics and Science
HW6R 47	Marine Meteorology: An Introduction
HW6G 47	Bridge Watchkeeping
HW6H 47	Marine Cargo Operations
HW6J 47	Ship Stability: An Introduction
HW6K 47	Naval Architecture: Ship Construction
HW6M 48	Celestial Navigation
HW6N 47	Nautical Science Graded Unit 1

ADDITIONAL UNITS

The following additional Units will be required for students who require an Officer of the Watch Certificate of Competency,

HW72 47	Marine Emergency Response and Communications (MCA Signals certificate is a requirement of this unit)
HW73 47	Marine Law and Management

EXAMINATIONS (Methods of Assessment)

UNIT	METHODS/DURATION OF ASSESSMENT
HW6P 47 - Chartwork and Tides	1 x 2 hour exam
HW6E 47 - Navigational Mathematics and Science	1 x 2 hour exam
HW6R 47 - Marine Meteorology: An Introduction	1 x Practical/Assignment (Instruments, Observations and interpreting Weather Charts) 1 x 2 hour exam
HW6G 47 - Bridge Watchkeeping	1 x 2 hour exam
HW6H 47 - Marine Cargo Operations	1 x 2 hour exam
HW6J 47 - Ship Stability: An Introduction	1 x 2 hour exam
HW6K 47 - Naval Architecture: Ship Construction	1 x 2 hour exam
HW6M 48 - Celestial Navigation	1 x Practical Assessment/ Assignment (Sextant) 1 x 2 hour exam
HW72 47 - Marine Emergency Response and Communications	1 x 2 hour Exam 1 x MCA Signals exam
HW73 47 - Marine Law and Management	1 x Assignment
HW6N 47 - Nautical Science Graded Unit	1 x 3 Hour exam

PROGRAMME AIMS

To achieve Advanced Certificate in Nautical Science and obtain the Officer of the Watch Unlimited Certificate of Competency (CoC)

The Advanced Certificate in Nautical Science aims to provide students with the fundamental knowledge and key skills required to allow further study at Advanced Diploma. Students will achieve an understanding of basic Navigation, Shipboard Operations, Study Skills, and Shipboard Management and solve problems from an Operational perspective. Students will also develop practice skills through on board training.

Upon successful completion of this level, students will be able to:

1. Apply core concepts and underpinning theoretical principles of navigation, ship stability and cargo operations demonstrating safety practices during shipboard operations.
2. Analyse the complexity of planning and conducting shipboard operations in different meteorological and navigational circumstances.
3. Analyse the effectiveness of management techniques in regard to the processes, procedures, and practices of shipboard safety management systems.
4. Plan and implement shipboard operations with due regard to national legislation and international standards related to safety of life at sea, safety of navigation and protection of marine environment.
5. Demonstrate the use of electronic safety navigation equipment and other IT systems and specialist industry software.
6. Analyse the international maritime business environment including commercial and legal sectors.
7. Critically analyse the importance of the human element for shipboard operations including cultural, linguistic, and ethical factors.
8. Communicate effectively in academic, professional, and shipboard environments.
9. Research and embed information from a variety of traditional and digital sources to support personal and professional development, lifelong learning, and achievement.

Elements required for a Certificate of Competency (external written exam prep, oral exam prep, STCW short courses etc. as per MSN 1856) will be offered at Fleetwood Nautical Campus, these costs are **not** included in the AdC or AdD fees.

ENTRY REQUIREMENTS / ELIGIBILITY

Admission criteria for direct Blended Learning Advanced Certificate Nautical Science is experience onboard a vessel. You can complete the AdC NS and continue to work while accruing the 36 months sea time required for Certificate of Competency purposes.

Entry is at the discretion of the college.

See MSN 1856 (1), experienced seafarer route, para 11.4

<https://www.gov.uk/government/publications/msn-1856-mf-amendment-1-uk-requirements-for-master-and-deck-officers>

ENGLISH LANGUAGE REQUIREMENTS

IELTS is not required for this course

BREAKDOWN OF FEES IN (£):

The following fees relate to courses, which commence from 1st August 2024 to 31st July 2025.
Bookings made for courses that start after this date will be subject to a price increase.

SQA Advanced Certificate 24/25 Costs	(£)
Awarding Body AdC Registration Fee	£175
Learning Modules and Assessments	£6325*
TOTAL	£6500

You will appreciate that some of the costs (Exam/Registration fees) are set externally and the College has no control over them. Regrettably, if they increase before starting your course, the increase will pass onto you.

Learning Module and Assessments – Cost Breakdown

Advanced Certificate Unit	Unit Code	Cost (£)
SET 1		
Naval Architecture: Ship Construction	HW6K 47	£435
Marine Meteorology: An Introduction	HW6R 47	£435
Marine Law and Management	HW73 47	£435
SET 2		
Marine Emergency Response and Communications	HW72 47	£435
Bridge Watchkeeping	HW6G 47	£705
Navigational Maths and Science	HW6E 47	£435
SET 3		
Chartwork and Tides	HW6P 47	£860
Celestial Navigation	HW6M 48	£860
SET 4		
Marine Cargo Operations	HW6H 47	£645
Ship Stability: An Introduction	HW6J 47	£645
AdC Nautical Science Graded Unit 1	HW6N 47	£435
TOTAL		£6325

ADDITIONAL COSTS

The costs of visa and travel incurred through taking the summative assessments at college must be met by the student. You will be required to purchase the following items for your course, these can be purchased from any supplier therefore prices may vary:

Compass, 15" Parallel rulers, Dividers, Drawing instruments, Pens, Pencils, Erasers, Notebooks, etc.

Candidates will need calculators as specified by the rubric of individual module and as permitted by the College.

You will require access to a computer or laptop with internet access.

Learning resources are provided on-site and free for students to use within the normal college working hours.

To enhance your professional development and guarantee support in social and labour context it is recommended that you join Nautilus International as a seagoing officer at your own cost.

STCW SHORT COURSES, EXTERNAL WRITTEN EXAM PREP, ORAL EXAM PREP, AS PER MSN 1856 AMDT 1, ARE AVAILABLE AT FLEETWOOD NAUTICAL CAMPUS, PLEASE NOTE THESE COSTS ARE NOT INCLUDED IN THE ADVANCED CERTIFICATE FEES.

Please refer to the Fleetwood Nautical Campus [website](#) for details.

PAYMENT OF FEES

Methods of payment:

The College does not accept cash for payment of deposits or tuition fees. Traveller's cheques and individual's foreign cheques are also not accepted. Payments may be made by the following methods only;

- Bank transfer (bank details provided on request)
- Invoice (if company sponsored – EU learners & EU companies only and by prior agreement)
- Credit / Debit Card

BLENDED LEARNING STUDENTS

- All students are to pay for Set 1 modules and SQA Registration at enrolment (£1480).
- All International students wishing to enter the UK must meet the United Kingdom Visas and Immigration (UKVI) criteria. We strongly recommend you check that you meet the criteria before applying to enrol onto the course, which requires a minimum of 4 visits to the UK.
- It is extremely important to note that the College will not sponsor students for visa purposes. Organization of obtaining the correct visa remains the sole responsibility for the student and that no fees will be refund for students, who enrol onto the course and subsequently cannot enter the UK for any reason.

STAFF LEVEL

All staff teaching on higher education programmes within the college are approved in respect of the subjects and modules that they deliver. Staff Approval is controlled by the Code of Staffing for HE Staffing Approval procedure and is governed by the following regulations:

- Chapter B3 of the UK Quality Code
- Awarding body partner's guidance.

All HE Staff hold the following to meet Staffing approval:

- Approved in respect of specific modules on named courses
- Formal qualifications at the level above and in the subject areas
- An appropriate teaching qualification(or working towards one)
- Relevant and current industrial experience and/or professional practice.
- Experience of teaching at the level and in the subject area applied for
- Evidence engagement with scholarship, research, consultancy, or professional activity appropriate to the level and subject area applied for.
- Evidence of successful, imaginative or innovative teaching development

PREPARATION (While on the ship, familiarise yourself with):

- ROR, Buoyage systems, MSNs & MGNs, LSA & FFA, SMS, Basic Maths (Algebra and Trigonometry), Basic Navigation & Stability.
- Keep a record of your Last Ship – Certificates (Particularly Safety Equipment Certificate), LSA & FFA arrangements, Cargo carried and preparations & precautions for the carriage of cargo.
- Cargo loading manual, Security manual, Information on cargo and plans of your vessel.

TERMS and CONDITIONS

Refer to Enrolment Form