

COURSE DETAILS – MD1EC134 24/29

Course title	SQA Advanced Certificate in Marine Engineering Engineering Officer of the Watch (OOW) Unlimited Certificate of Competency (CoC)
Accredited by	This is a Scottish Qualifications Authority (SQA) qualification
Award to be received	SQA Level 4 Advanced Certificate in Marine Engineering SCQF Level 7
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 Marine Engineering will be delivered using a blend of learning styles with informal assessments conducted by distance learning and both practical and formal assessments being conducted at college.

COURSE UNIT DETAILS:

The Advanced Certificate in Marine Engineering accredited by the SQA incorporates the following modules.

Learning Module and Assessments – Cost Breakdown

Advanced Certificate Unit	Unit Code	Cost (£)
SET 1		
Engineering Mathematics 1	HP48 46	435
Auxiliary Systems	HW5C 47	435
Electro-Technology	HW5J 47	435
Fundamentals of Control Systems and Transducers	HT1R 47	435
SET 2		
Propulsion	HW5E 47	435
Mechanical Principles	HW5J 47	435
Stability and Structure of Merchant Ships	HW5G 47	435
Marine Legislation and Leadership	HW5D 47	435
SET 3		
Thermodynamics	HW5F 47	435
Pneumatics and Hydraulic Systems	HW5A 47	435
Safety Engineering and the Environment	HT7P 47	435
Graded Unit 1	HW5K 47	435
TOTAL		£5220

PROGRAMME AIMS

General aims of the qualifications.

- Develop the ability to analyse and plan tasks commonly encountered in the workplace.
- Develop approaches to problem solving and critical thinking.
- Develop an evaluative and reflective approach to work and studies.
- Develop the ability to plan and organise studies.
- Develop skills for employability and progression to higher qualifications.
- To enable the learner to consolidate knowledge and skills to enhance career progression.
- To develop Core Skills required by employers.
- To develop skills which are capable of being transferred to any employment.
- Progression within the SCQF framework.

Specific aims of the SQA Advanced Certificate qualifications

- Prepare learners for written and oral examinations for Engineer Officer of the Watch.
- Contribute towards developing skills to enable learners to operate a vessel in a safe and effective manner.
- Contribute towards developing skills to enable learners to work with others in safe and effective manner.
- Contribute towards developing skills to deal with emergency situations.
- Develop awareness of current maritime legislation.

ENTRY REQUIREMENTS / ELIGIBILITY

Entry to this qualification is at the discretion of the centre.

The entry requirements are 4 GCSEs Grade A-C including English, Maths and Science and 48 UCAS at level 3 with at least one science-based subject.

Typically, you will have completed a level 3 diploma in shipping and maritime operations.

Where non-UK qualifications are used to measure suitable entry level, then the learner would have equivalent qualifications to the above, including English language as necessary.

Students following the Experienced seafarer programme MSN 1857 3.3.1, require 24 months' seagoing service on merchant ships of at least 350 kW³.

Hold either:

- An Engine Watch Rating Certificate STCW regulation III/4; or
- A Marine Engine Operator Licence (MEOL); or
- A Senior Marine Engine Operator Licence (SMEOL).

Hold basic STCW safety training certificates.

- Personal Survival Techniques (STCW Code A-VI/1-1).
- Fire Prevention and Fire Fighting (STCW Code A-VI/1-2).
- Elementary First Aid (STCW Code A-VI/1-3).
- Personal Safety and Social Responsibilities (STCW Code A-VI/1-4).

Hold a valid ENG1 (medical fitness certificate) or accepted equivalent.

Whilst the sea service articulated is an integral element of the certification to MCA Certificate of Competency, it does not form part of the SQA Advanced award.

Unfortunately, the College can NOT advise on any issues concerning sea-time or certificate validity. You MUST contact the MCA.

ENGLISH LANGUAGE REQUIREMENTS

If you hold UK Certificate of Competency this will be sufficient evidence of your proficiency in English Language.

If you do not hold a UK COC, we will require a copy of your IELTS Certificate - Overall score 5.5 (Academic, General or UKVI).

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 ME Advanced Certificate 24/25 Costs	(£)
Awarding Body Adv Cert Registration Fee	£175
Learning Modules and Assessments	£5220
High Voltage (O)	Included
HELM (O)	Included
TOTAL	£5395

Oral exam prep courses, as per MSN 1857 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 for details:
[Officer of the Watch Oral Preparation \(Engine\)](#)

ADDITIONAL COSTS

The cost of visas and travel incurred through taking the summative assessments at college must be met by the student. There are no additional costs needed to complete this course.
You will require access to a computer or laptop with internet access and a copy 'Thermodynamic and Transport Properties of Fluids' Arranged by G.F.C. Rogers and Y.R. Mayhew ISBN 978 0- 631-19703-4 (Steam Tables)

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 One modules, SQA Registration and on-line registration at enrolment (£1915).
- 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. Organisation 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 partners' guidance.

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

- Be familiar with vessel main and auxiliary machinery, including main engines, power transmission systems, boilers, freshwater production, electrical production and distribution, pumps, steering gear, refrigeration, air compressors, control systems, hydraulic and pneumatic systems, water keeping and UMP operations and procedures.
- Review SOLAS and be familiar with vessel constructions and stability. Specifically, ship's hulls, fittings, and material of construction.
- Familiarise yourself with maths-based problems and solutions, particularly for mathematics, mechanics, thermodynamics, naval architecture, and electro-technology subjects.

COURSE START DATES

Enrolment dates for Blended Learning at Fleetwood Nautical Campus are available throughout the year.

TERMS and CONDITIONS

Refer to sign up form.