

Blackpool & the Fylde College  
 Fleetwood Nautical Campus,  
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**COURSE DETAILS - MD1EC135 22/27**

Course title	SQA Advanced Diploma in Marine Engineering / SQA Exam Route <b>UK Second &amp; Chief Engineer III/2 Unlimited</b> Certificate of Competency (CoC)
Accredited by	This is an Scottish Qualifications Authority (SQA) qualification
Award to be received	SQA Level 5 Advanced Diploma in Marine Engineering
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	SQA Advanced Diploma in Marine Engineering is delivered using a blend of learning styles with online formative assessments and both practical and formal assessments being conducted at Fleetwood Nautical Campus.

**COURSE UNITS DETAILS:**

SQA Advanced Diploma in Marine Engineering accredited by the SQA incorporates the following units.

**Learning Module and Assessments – Cost Breakdown**

Advanced Diploma Unit	Unit Code	Cost (£)
<b>SET 4*</b>		
Project management for IT	HR7J 47	360
Strength of materials	HW5N 48	360
Mathematics 2	HP49 47	360
<b>SET 5</b>		
Electrical machines	HW64 48	360
Heat engine principles	HW62 48	360
Mechanics (1.5)	HW5P 48	540
Process control	HW5T 47	360
<b>SET 6</b>		
Marine Management	HW5W 48	360
Ship construction and survey	HW68 48	360
Electrical power	HW67 47	360
Naval architecture (2)	HW5Y 48	720
<b>SET 7</b>		
Applied mechanics	HW5R 48	360
Applied Thermodynamics (1.5)	HW61 48	540
Electrical distribution systems	HW63 48	360
Graded unit 2 (2)	HW6D 48	720
<b>TOTAL</b>		<b>£5575* or £6655</b>

The award of SQA Advanced Diploma is at SQCF level 8 (FHEQ Level 5) and incorporates 240 SQCF credits (30 SQA Credits). \* This incorporates the 120 SQCF credits (12 SQA Credits), already obtained at Fleetwood Nautical campus as part of the HNC/SQA Advanced Certificate programme.

ASSESSMENT METHODS							
Module	Level	Credits	%	Category	Description	Length/ Word Count	Grading Method
HR7J 47 Project management for IT	4	8	30%	Coursework: Essay	Assignment	1000	Percentage Grade
			70%	Coursework: Essay	Assignment	1500	Percentage Grade
HW5N 48 Strength of materials	5	8	100%	Formal Written Examination	Examination	150	Percentage Grade
HP49 47 Mathematics 2	4	8	100%	Formal Written Examination	Examination	120	Percentage Grade
HW64 48 Electrical Machines (Mandatory)	5	8	100%	Formal Written Examination	Examination	120	Percentage Grade
HW62 48 Heat Engine Principles (Mandatory)	5	8	100%	Formal Written Examination	Examination	150	Percentage Grade
HW5P 48 Mechanics (Mandatory)	5	12	100%	Formal Written Examination	Examination	180	Percentage Grade
HW5T 47 Process Control (Mandatory)	4	8	50%	Coursework: Essay	Assignment	1000	Percentage Grade
			50%	Coursework: Essay	Assignment	1000	Percentage Grade
HW5W 48 Marine Management (Mandatory)	5	8	100%	Coursework: Essay	Report	2000	Percentage Grade
HW68 48 Ship Construction and Survey (Mandatory)	5	8	100%	Formal Written Examination	Examination	120	Percentage Grade
HW67 47 Electrical Power (Mandatory)	4	8	100%	Formal Written Examination	Examination	120	Percentage Grade
HW5Y 48 Naval Architecture (Mandatory)	5	16	100%	Formal Written Examination	Examination	150	Percentage Grade
HW5R 48 Applied Mechanics (Mandatory)	5	8	100%	Formal Written Examination	Examination	150	Percentage Grade
HW61 48 Applied Thermodynamics (Mandatory)	5	12	100%	Formal Written Examination	Examination	150	Percentage Grade
HW63 48 Electrical Distribution Systems (Mandatory)	5	8	100%	Formal Written Examination	Examination	120	Percentage Grade
HW64 48 Electrical Machines (Mandatory)	5	8	100%	Formal Written Examination	Examination	120	Percentage Grade
HW6D 48 Graded Unit 2 (Mandatory)	5	16	100%	Practical: Practical Skills Assessment	Project	8000	Percentage Grade

## 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 Diploma qualifications

- Provide an award that on successful completion will allow learners to progress to a degree in engineering or a related subject discipline area.
- Provide an award that will give academic exemptions for STCW10 Reg III/2 Chief Engineer Unlimited Engineering Certification.
- Develop knowledge and understanding of the external and internal factors that influence the performance of modern marine plant and vessels.
- Develop a range of communication knowledge and skills relevant to the needs of marine engineers.
- Develop a range of project management skills.
- Develop the analysis and synthesis skills necessary to ensure the efficient operation of marine plant.

## ENTRY REQUIREMENTS / ELIGIBILITY

You will be required to have completed an Advanced Certificate (Adv Cert) in Marine Engineering or alternatively, hold an MCA recognised Engineering Officer of the Watch (EOOW) Certificate of Competency (CoC) which is comparable to the 96 credits of the Adv Cert award. In this case, the College will undertake a Recognition of Prior Learning (RPL) exercise, which is the process for recognising previous learning that has taken place in informal, formal or non-formal contexts: for example, in the workplace and through life experiences. Once recognised through this process, prior learning can be used to gain credit or exemption for qualifications. This process can also be used to recognise any additional units you have undertaken, of supporting documentation is provided.

## ENGLISH LANGUAGE REQUIREMENTS

IELTS is not required for this course

## BREAKDOWN OF FEES IN (£):

The following fees relate to courses, which commence from 1<sup>st</sup> August 2022 to 31<sup>st</sup> July 2023.  
Bookings made for courses that start after this date will be subject to a price increase.

<b>SQA ME Advanced Diploma 22/23 Costs</b>	<b>(£)</b>
Awarding Body Registration Fee	£175
Learning Modules and Assessments	£5400* or £6480
<b>TOTAL</b>	<b>£5575* or £6655</b>

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 should be increased before starting your course we will pass the increase to you.

<b>Additional costs and required available at Fleetwood Nautical Campus for CoC purposes</b>	<b>Cost (£)</b>
Engineering Management (Unlimited) SQA EK Exam Support	£1250
SQA Exam Fee	£250
Orals Preparation	£790
HELM (M)	£775
HV (M)	£1190

#### **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 Four or Set Five modules and SQA Registration at enrolment (£1255 or £1795). See entry requirements.
- 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):**

- Fire and Safety, Ship's main and auxiliary machinery including boilers, generator, purifiers, fresh water generator, pumps, steering gear, refrigeration, main engine, propeller, shaft, air compressor, UMS Operations, control systems, hydraulic and pneumatic systems, ship's hull, fittings and material of construction etc.
- Read and understand manufacturers' instruction manuals, planned maintenance system, safety management system, Bunkering procedures and Fuel Management on board.
- Keep a record of your Last Ship – Certificates (Particularly Safety Equipment Certificate, IOPP, IAPP, machinery certificates), LSA & FFA arrangements, Cargo gear, preparations & precautions for the operation of machinery, lifting gears, Ballast Water Management etc.

**COURSE START DATES**

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

**TERMS and CONDITIONS**

Refer to booking form