



COLEG Sir Benfro
Pembrookeshire COLLEGE

Marine & Mechanical Engineering

Course Information

Hello

Thank you for considering Pembrokeshire College.
Here you'll find out all about our Marine Engineering and Mechanical Engineering programmes.

Our courses

In this section you'll find out about the courses on offer and the entry requirements.

(all courses are subject to interview)

Level 2

Marine Engineering

Two GCSEs to include Maths/Numeracy at grade C or above and English Language/First Language Welsh at grade D or above.

Mechanical Craft Engineering

Two GCSEs at grade D or above to include English Language/First Language Welsh and Maths/Numeracy.

Mechanical Engineering

Two GCSEs to include Maths/Numeracy at grade C or above and English Language/First Language Welsh at grade D or above.

Level 2 / 3

Enhanced Mechanical Engineering

Five GCSEs at grade C or above (may include one relevant equivalent) to include Math/Numeracy (both from Intermediate/Higher tier), English Language/First Language Welsh and Science.

Level 3

Marine Engineering

Relevant Level 2 qualification in addition to successful decision following progression board – internal candidates.

Mechanical Engineering

Five GCSEs at grade C or above (may include one relevant equivalent) to include Maths/ Numeracy (both from Intermediate/Higher tier), English Language/First Language Welsh and Science.

About the course

We have some of the
best lecturers and
learning facilities
in Pembrokeshire.

Here you'll find out a
bit more about the
course and the
facilities.

Background

These programmes are aimed at providing a comprehensive background preparing students for roles in leisure marine employment and/or apprenticeships or laying the foundation for placement into marine cadetships or Royal Naval entry.

The core programme comprises of a mixed practical and theory syllabus focusing on marine engineering practices and tailored to allow candidates to complete and attain the City and Guilds 2463 Marine Engineering qualifications.

Facilities

Workshop equipped exhaust extraction, coolant plumbing and outboard test tank designed for use with a broad range of 2 and 4 stroke outboard petrol engines in addition to 4 stroke marine diesel and petrol inboards. Several of the inboards are mounted in drive train jigs allowing for hands-on working with all aspects of transmissions and drive systems. All engines are fully functional and are run, serviced and stripped (Level 3) during the programme.

In addition, minor jigs include shaft alignment and hull-gland exercise for use in practical assignments.

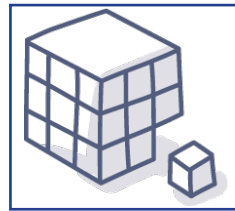
There is also a half-hull installation jig for ancillary systems exercises offering hands-on access to miscellaneous marine systems including water (black and potable) and latest generation NMEA2000 digital networking for systems and engine monitoring coupled to navigational and weather data display.

Trips/Visits

Regular visits to local RNLI facilities and when possible annual visit to Warsash (or other) Merchant Marine Training College (part of Southampton University) to meet potential sponsors and explore facilities.

Skills you'll learn

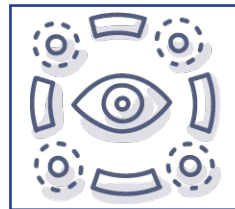
Here are some of the
key skills you can
expect to learn whilst
studying on one of
these courses.



Problem solving



Organisation



Critical thinking



Timekeeping



Literacy, numeracy and employability
skills

What are the future careers?

Want to know what
you could progress to?

Here are just some of
the possibilities.

Boat Fitter
Boatyard Manager
Composites Manufacturer
Marine Designer
Maintenance Manager
Marine Engineer
Marine Leisure
Mechanical Engineer
Merchant Navy
Royal Navy

Here are some
average salaries for
careers in the marine
and mechanical
engineering
industries:

Composites Operative £24,128
Boat Builder £27,914
Engineering Technician £33,176
Marine Engineering £32,195
Marina Manager £34,000
Mechanical Engineer £38,293
Ship Officer £57,616
Merchant Navy £22k-£80k

Source: EMSI

Career Coach

Use the Career Coach tool on our website to find out more about the
careers on offer and the earning potential:

pembrokeshire.emsicc.com

Where are they now?

In this section you'll
find out what some
of our former
students have gone
on to do.

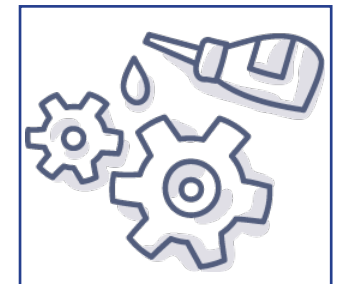
Former learners have progressed into a broad range of university courses and into employment. Here are a few examples:

University Progression:

- Marine Engineering Degree (Warsash)
- Mechanical Engineering Degree
- Automotive Engineering Degree
- Material Science Engineering Degree
- Motorcycle Engineering Degree (Swansea)

Employment:

- Carnival Cruises Engineering Cadet
- West Wales Marine Engineer Apprentice
- BP ROV Operator Cadetship
- Trinity House Engineering Cadetship
- RN Weapons Engineer Trainee
- Dale Sailing Marine Engineering Apprentice
- RNLI Engineering Apprentice (Poole)
- Cardiff Marina



Get ready for College

Read this section to find out if there's anything that you can be doing now to get you ready for studying at College.



You should aim to purchase any kit or uniform before the start of term. You will be sent a pack containing details of anything you need to buy.



Make sure you have a 'can do' attitude. You need to be prepared to work hard and to arrive ready for your sessions.



Use the Career Coach tool on our website to find out more about the careers on offer and the earning potential:
pembrokeshire.emsicc.com



If you are already on a course in College, you must finish this course before you are able to move to a new course.

More info

This section contains
some general
information on the
College that we think
you might find useful.

Remember that we're
still open and you can
contact us anytime:

[admissions@
pembrokeshire.ac.uk](mailto:admissions@pembrokeshire.ac.uk)

Levels Explained

Entry Level and Level 1

Our Level 1 and Entry Level courses are suitable for you have few of no formal qualifications. If you don't get the GCSE grades you had hoped for, then you can start at Entry Level and work your way up.

Level 2

Most of our Level 2 courses require you to have GCSE grades at D and some even require you to have achieved C grades in certain subjects. Entry requirements for each course vary so please check the website before applying.

Level 3

If you have five GCSEs at grade C or above (some courses may require you to have achieved B grades in certain subjects) you can go straight in at Level 3 (equivalent to studying A-levels).

How to Apply

1. Visit our website, select your course and apply online

You'll need to create an account and this will be used to update you on the progress of your application. If you need any help with your application, please contact our Admissions team: admissions@pembrokeshire.ac.uk

2. Interview

Once we have received your application we would normally invite you into the College for an interview. Given the current circumstances, you may be invited to a virtual interview instead.

3. Offer

If we are happy with your application and interview we will make you a conditional offer. Your place will be subject to you obtaining the necessary GCSE grades.

4. Updates

We'll send you periodic emails between now and September to let you know we haven't forgotten about you!

5. Enrolment

You'll be invited to an enrolment day in August where we will check your grades and enrol you on your course. If you don't get your grades, don't panic, our Advice and Guidance team will work with you to find a suitable alternative.