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600/2306/5 Level 3 Diploma in Marine Construction, Systems Engineering and Maintenance

OVERVIEW

This qualification is the only vocational related qualification available at this level for this industry which consists of the Leisure Marine, Super Yacht and Small Commercial sector.

- What does this qualification cover?

The qualification is for anyone who would like to learn, develop and practise the skills required for employment and/or career progression in the marine engineering or boatbuilding maintenance sector.

They will need around 450-500 hours of learning depending on the area they would like to specialise in: boat building, marine engineering or painting and finishing.

The key skills and knowledge learners will have acquired upon achievement of this qualification are:

- Safe and effective working in the marine industry
- Principles of boat construction
- Principles of marine construction and components
- Construction and repair of hulls and boat structures
- Producing and fitting structural boat components
- Establishing reinstatement requirements when servicing, repairing and maintaining boats
- Fibre reinforced plastics technology for marine construction
- Installation and repair of vessel services
- Installation and repair of marine engines
- Installation and repair of marine propulsion systems
- Maintaining electrical marine engineering equipment and systems
- Principles of marine electrical systems
- Principles of integrated marine electronic systems
- Prepare surfaces and marine coatings
- Apply marine coatings



This is a Framework qualification.

- Who could take this qualification?

Most learners will have already achieved our 600/2304/1 Level 2 Certificate in Marine Construction, Systems Engineering and Maintenance which will have given them a good foundation on how to build, fit out, finish and/or maintain boats.

You have the option to undertake this qualification as a standalone offer or as part of a full Apprenticeship Framework. You will take this qualification as part of an Apprenticeship if you are new to the marine industry, or you have previously undertaken a Level 2 Apprenticeship and wish to further specialise and progress into a more advanced role. In the apprenticeship you will also need to undertake an additional competence-based qualification as well as be assessed in functional skills in maths and English.

Learners would choose to do this qualification over other qualifications, such as an apprenticeship as it provides the flexibility to undertake a qualification on a part time or full time basis. This would help an individual fit learning in with their own circumstances. Learners may also have already taken an intermediate level apprenticeship in this sector and may wish to progress to a more advanced level without the need for a further apprenticeship. Learners will usually take this qualification at a college where they will have access to facilities, equipment and tools that will allow them to gain the skills and knowledge required to progress into further education and training.

WHAT COULD THIS QUALIFICATION LEAD TO?

Learners who are successful will be able to progress into further learning by enrolling on an Advanced Apprenticeship and then a Higher Apprenticeship in Engineering Manufacturing in a number of boat building and engineering maintenance roles, including:

- Marine Engineer
- Marine Electrician
- Shipwright (Boat Builder)
- Rigger/Boat Mover
- Fit out Carpenter
- Fit out Engineer
- Marine Electronics Technician.

For those who enjoy leading teams of people at work could also move onto a qualification as a Supervisor or Manager such as qualifications at Levels 3 and 4 through the Institute of Leadership and Management (ILM).

WHO SUPPORTS THIS QUALIFICATION?

The following providers support this qualification as it allows learners to work to their own ability and show progression to the next level within the industry nationally:

- Marine Technology College - Pembrokeshire College
- South Devon College
- Cornwall College.