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600/2304/1 Level 2 Certificate 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.

Upon completion learners will know basic skills on how to build, fit out, finish and/or maintain boats.

They will need around 280-330 hours of learning depending on the area they would like to specialise in: boat building, marine engineering or painting and finishing.

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

- Introduction to the marine industry
- Principles of boatbuilding technology
- Marine engineering processes and principles
- Yacht and boatbuilding assembly and sub-assembly
- Production of external boat components
- Interior installation and fitting out of boats
- Composite manufacture for marine construction
- Servicing and maintenance of marine engines
- Servicing and maintenance of marine propulsion systems
- Installing electrical wiring support systems
- Principles of marine electrical systems
- Prepare surfaces and marine coatings
- Apply marine coatings

This is a Framework qualification.

- Who could take this qualification?

Although some learners may already have had some exposure to, or be working in the marine industry via previous training or practical work experience, it is not necessary to hold any previous qualifications or be in a current work placement.

This qualification is part of an apprenticeship framework.

You have the option to undertake this qualification as a standalone offer in preference to the full apprenticeship or as part of an Apprenticeship Framework. You will take this qualification as part of an Apprenticeship if you are new to the marine industry. In the apprenticeship you will also need to undertake an additional knowledge-based qualification as well as be assessed in functional skills in maths and English.

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

They will also be able to gain employment as an Intermediate Level Apprentice in a number of boat building and engineering maintenance roles, including:

- Marine Fabricator/Welder (semi-skilled)
- Marine Electrical Fitter (semi-skilled)
- Marine Engine Fitter
- Marine Mechanical Fitter
- Marine Carpenter
- Sailmaker
- Boat Mover/Yard Hand
- Marine Installation engineer - (semi-skilled)
- Marine Painter

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.