



# Maritime Mechanical & Electrical Mechanic Apprenticeship



## Apprenticeship Description and Job Overview

OCT 2024

Maritime mechanical and electrical mechanics are employed in the Royal Navy and Merchant Navy. The engineering knowledge and skills used in the role can be transferred to other entry level engineering roles in other industries.

Maritime mechanical and electrical mechanics work from engineering drawings, data and documentation to undertake the testing, fault diagnosis and maintenance of electrical, mechanical and fluid power equipment on ships and submarines. This can include propulsion machinery, weapons, sensors, reactors and auxiliary systems (such as water, air conditioning, electronic equipment including programmable logic controllers, power generation and distribution).

They have knowledge and expertise in the use of both common and specialist test equipment and hand/ machine tools and the use of a range of measuring and diagnostic equipment processes to ensure system / equipment performance meet the required specification. The Maritime mechanical and electrical mechanic must comply with statutory regulations and organisational safety requirements and will be expected to work both individually and as part of a team.

Maritime mechanical and electrical mechanic will typically work in either the Royal Navy as a Marine Engineer or Weapons Engineer, or the Royal Fleet Auxiliary or Merchant Navy as a Motorman. They will be responsible for completing daily rounds and checking machinery to ensure the ship remains operational. They will learn to maintain and operate some of the most cutting-edge equipment on the planet and become familiar with a variety of sophisticated mechanical systems. They will form part of a team of Mechanics responsible to the Chief Engineer, for the maintenance and fault diagnosis of all the ships machinery and support systems. They will use their natural aptitude for fixing things, on a massive scale. That might mean working on anything from a propulsion system to a water purifying plant. They will be trained to be able to work with minimum supervision, taking responsibility for the quality and accuracy of the work they undertake.

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<b>Qualification</b>	Maritime Mechanical and Electrical Mechanic (Standard ST0276)
<b>Training Delivery Campus</b>	Gravesend Campus - National Maritime Training Centre Lower Higham Road Gravesend Kent DA12 2JJ
<b>Duration of Apprenticeship</b>	18 Months Typical EPA period 3 months
<b>Apprenticeship Entry Requirements</b>	Maths - GCSE 'C' or '4' or equivalent Functional Skills English - GCSE 'C' or '4' or equivalent Functional Skills Individual employers will set the selection criteria for their apprenticeships. An ENG 1 Medical Certificate will be re-quired for those apprentices entering the Merchant Navy. Royal Navy will advise of their medical requirements.
<b>Mandatory Qualification details</b>	Level 2 Diploma in Maritime me-chanical and electrical mechanic (Competence) Level 2 Diploma in Maritime me-chanical and electrical mechanic (Knowledge)
<b>End Point Assessment Organisation and EPA components</b>	Engineering End Point Assessments (Eng EPA) The EPA consists of 2 assessment methods: <ul style="list-style-type: none"><li>• Professional discussion</li><li>• Practical observation</li></ul>
<b>Progression Routes</b>	Apprentices may progress to Mechanical and Electrical Maritime Fitter at level 3.