



Careers information sheet

Marine Engineer

What do Marine Engineers do?

Marine engineers design, construct, operate and maintain the engineering systems used in ships and offshore installations.

Marine engineering involves naval construction, together with marine, mechanical, electrical and electronic engineering. Engineers work on systems capable of operating continuously and safely in a hostile environment in all weathers. Related areas include Naval Architecture.

Once qualified, marine engineers have good promotion prospects, particularly those with managerial skills. They may also become self-employed as contract engineers, consultants or independent marine surveyors.

The maritime sector is particularly important in the South East – military, leisure/cruise ships, sailing and ship building - and the leisure boating industry is growing fast.

School leavers can train as marine engineers in the Merchant Navy or Royal Navy. Engineering Officer Cadetships with the Royal Fleet Auxiliary <http://www.rfa.mod.uk> are offered to school leavers with good GCSE results. After training they will have achieved an HND.
(Source: jobs4u)www.science-engineering.net

There are several different pathways to become a qualified Marine Engineer.

- ROUTE 1 - Work based - Apprenticeship
- ROUTE 2 - Vocational learning
- ROUTE 3 - Traditional

Go to the Key Routes web pages to see an interactive version of these – <http://www.keyroutes.org.uk/careas/engine/opt-marine.aspx>

The Institute of Marine Engineering Science and Technology has a special mature candidate route to registration as a Chartered Engineer for candidates over the age of 35 with considerable experience as a practicing engineer.

What else should I be doing?

It would help your career to:

- develop your practical skills
- become a Student Member of IMarEST (undergraduates)
- join the Sea Cadets <http://www.sea-cadets.org>

- keep up to date with new developments in the maritime sector
- develop your decision making and problem solving skills
- learn how to sail or take up other water sports
- visit Boat Shows

Useful links

The Sector Skills Council covering the Marine Engineering sector is SEMTA
<http://www.semta.org.uk>

The Institute of Marine Engineering Science and Technology works with marine professionals.

The IMarEST web site has some useful pages on careers in the maritime environment.
<http://www.imarest.org>

Based in the South East, the National Oceanography Centre in Southampton is one of the world's leading centres for research and education in marine sciences and the development of marine technology.
<http://www.noc.soton.ac.uk>

The British Marine Federation is the Trade Association for the UK Marine Leisure Industry and has information on jobs and careers.
<http://www.britishmarine.co.uk>

Careers at Sea has information on career paths for Engineering Officers in the Merchant Navy.
<http://www.careersatsea.org/career.asp>

Sea Vision UK has information on careers in the maritime sector.
[http:// www.seavisionuk.org](http://www.seavisionuk.org)