Dear Student,

Greetings from Univariety!

Marine Engineer applies his knowledge of Mechanical and Electrical Engineering to develop, maintain, design, and operate watercraft propulsion and other marine on-board systems. Marine engineering refers to the engineering of ships, oil rigs, boats, etc. and any other marine structure.

Marine Engineers not only work and maintain ships. They are also responsible for the proper functioning of off-shore oil-rigs. A Marine Engineer has to be proficient in many areas since he is responsible for the passengers/crew of a ship. Since the 1800's there have been many improvements to the design of engines and propellers. The maritime industry still holds 90% of all international trade.

**There are certain areas that a Marine Engineer is definitely trained on:**

* Marine engine training
* Ship stability and ship construction
* Ship board machinery maintenance
* Computer aided programmes CAD/CAM

The role of a Marine Engineer is constant- construction, operations and maintenance of the engine room being the main obligations. There are many opportunities in both the private and government sectors for Marine Engineering graduates. After finishing their studies, Marine Engineers work on cargo ships, container ships or oil and gas tankers. There are job opportunities in other sectors too like banks, hotels, and power plants. Besides this, marine engineers can work in governments as well as the Indian Navy.

**Career Prospects:**

Marine Engineering is a highly lucrative career and offers the option to work in a challenging environment. The demand for Marine Engineers in public and private shipping companies has risen sharply, with the increase in international global sea traffic. In fact, they are the overall in-charge of the engine and its crew. The top rung of the hierarchical ladder is the post of a Chief Engineer. Marine Engineers usually sail for 15-20 years after which they land jobs in shipyards, maritime universities or in management of a shipping company.

You can read more about it here - <https://www.univariety.com/career/Marine-Engineering/2efbeebb>

**Top Colleges for Marine Engineering in India:**

* Indian Institute of Technology, Kharagpur
* Indian Institute of Technology, Madras
* Andhra University College of Engineering
* Tolani Maritime Institute
* Vels Academy of Maritime Studies
* Maharashtra Academy of Naval Education & Training
* Indian Maritime University

Hope this information was helpful. In case you have more queries you could reach out to us.

Regards,

Team Univariety!