

MARITIME TRANSPORT

JOB TITLE

Marine Chief Engineer

JOB DESCRIPTION

Marine chief engineers are responsible for the entire technical operations of the vessel, including engineering, electrical and mechanical divisions. They are the head of the entire engine department aboard the ship and have overall responsibility for all technical operations and equipment on-board the ship.

KNOWLEDGE AREAS

- University degree
- Maritime English
- Engineering principles
- Electronics principles
- Mechanics of vessels
- Physical parts of vessels
- Related regulations
- International Convention for the Prevention of Pollution from Ships

SOFT SKILLS

- Create verbal instructions
- Manage staff
- Exercising control
- Providing guidance to a team
- Ability to work and co-operate with others as part of a team
- Prioritising (ability to prioritise and decide what situations require immediate action)
- Multi-tasking (simultaneous tasking capability)
- Motivation of people
- Ability to take initiatives and make decisions
- Risk-assessment (reasonable risk-taking skills)
- Judgement and responsibility
- Problem solving skills
- Ability to function under conditions of stress
- Mobilization in critical moments
- Self-regulation (skills to control emotions)

HARD SKILLS

- Maintain and operate vessel engine room
- Repair vessel electrical and mechanical systems
- Maintain vessel inventory
- Operate mechanical equipment of ships
- Use electrical systems in transportation
- Coordinate fire-fighting
- Manage the operation of propulsion plant machinery
- Operate pumping systems
- Operate ship rescue machinery
- Apply health and safety standards

COMMENTS

To see if and how this occupation is regulated in EU Member States, EEA countries or Switzerland please consult the ESCO occupations pillar in the following link: <https://esco.ec.europa.eu/en/classification/occupation>