

HIGHER NITEC IN MARINE ENGINEERING

Electives (Course Specific)

Engineering Watchkeeping

On completion of the module, students should be conversant with the requirements to maintain a safe engineering watch and seaworthiness of the ship, operate main and auxiliary marine machinery and control systems, operate marine electrical power distribution and to ensure compliance with marine pollution prevention requirements.

Shipboard Legislation and Resource Management

On completion of the module, students should be conversant with maintaining operational and maintenance documentation, monitoring compliance with maritime legislative requirements, managing human factor errors and practicing good leadership and teamwork on board ships.

Electives (Inter-disciplinary)

Basic Naval Architecture

On completion of the module, students should be able to produce lines plans drawings from offset tables, perform ship form and stability calculations.

Ship and Offshore Survey

On completion of the module, students should be able to co-ordinate vessel survey activities, perform survey on steelwork and produce survey report on recommendations of rectified works.

Marine Project Planning and Management

On completion of the module, students should be able to plan, track and monitor projects using project management software.