

NITEC IN MARINE TECHNOLOGY

Module Objectives

Workshop Technology

On completion of the module, trainees should be able to fabricate a workpiece involving drilling, marking-out, thread cutting, grinding as well as perform blue fitting test on contact surfaces.

Machinery Servicing

On completion of the module, trainees should be able to service and maintain various types of basic machinery components as well as perform alignment of machinery components.

Heat Engines

On completion of the module, trainees should be able to service piston assembly of an engine, components of marine systems as well as perform dye penetrant test.

Valves and Pumps I

On completion of the module, trainees should be able to service various types of pumps, fluid valves and components of hydraulic and pneumatic systems.

Diesel Engine Servicing

On completion of the module, trainees should service marine diesel engine and components of turbomachinery system.

Diesel Engine Operational Systems

On completion of the module, trainees should be able to service various operational systems of the ship's main and auxiliary diesel engine and steam turbine engine.

Deck and Hull Machinery

On completion of the module, trainees should be able to perform lines plan drawings from offset tables, produce 2-D CAD drawings of outfittings, and form structures from plates and rolled sections.

Valves and Pumps II

On completion of the module, trainees should be able service pumps, valves, oily water separator, mountings as well as perform pressure test.

On-The-Job Training I

On completion of the module, trainees should be able to apply and integrate Year 1 skills and knowledge acquired from classroom training and further develop competencies at the workplace.

On-The-Job Training II

On completion of the module, trainees should be able to apply and integrate Year 2 skills and knowledge acquired from classroom training and further develop competencies at the workplace.