

## Higher Nitec in Marine Engineering

HFMZR

Higher Nitec in Marine Engineering

Specialisation / Option: Marine Workshop Technology

6 month IA Duration

MR5112FPE-1

1. Attend shipyard safety orientation course.
2. Attend VSCC meetings.
3. Familiarise with entry into confined space procedure.
4. Attend toolbox meetings.
5. Familiarise with the "Permit to Work System".
6. Perform common bench fittings operations.
7. Produce engineering drawings.
8. Perform basic arc welding.
9. Perform basic gas cutting.
10. Perform basic operations of lathe machine.
11. Design and modify jigs and fixtures.
12. Fabricate engineering components.

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Higher Nitec in Marine Engineering

Specialisation / Option: Marine Mechanical Systems

6 month IA Duration

MR5112FPE-2

1. Attend shipyard safety orientation course.

2. Attend VSCC meetings.
3. Familiarise with entry into confined space procedure.
4. Attend toolbox meetings.
5. Familiarise with the "Permit to Work System".
6. Troubleshoot marine system faults.
7. Rectify faults in marine systems.
8. Recondition marine equipment.
9. Assist in performing pressure test of marine equipment.
10. Inspect marine auxiliary systems.
11. Service machinery components of marine auxiliary system.
12. Troubleshoot machinery components of marine auxiliary system.
13. Rectify faults in machinery components of marine auxiliary system.

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Higher Nitec in Marine Engineering

Specialisation / Option: Marine Electrical Control Systems and Instrumentation

6 month IA Duration

MR5112FPE-3

1. Attend shipyard safety orientation course.
2. Attend VSCC meetings.
3. Familiarise with entry into confined space procedure.
4. Attend toolbox meetings.
5. Familiarise with the "Permit to Work System".
6. Maintain marine electrical equipment.
7. Interpret marine electrical drawings.
8. Check electrical systems' parameters.

9. Assist in maintaining marine control systems.

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Higher Nitec in Marine Engineering

Specialisation / Option: Operations Support

6 month IA Duration

MR5112FPE-4

1. Attend shipyard safety orientation course.
2. Attend VSCC meetings.
3. Familiarise with entry into confined space procedure.
4. Attend toolbox meetings.
5. Familiarise with the "Permit to Work System".
6. Assist in planning resources deployment and work schedule.
7. Familiarise with the operations of vessel movements in shipyards
8. Familiarise with the organizing docking and undocking operations
9. Assist in monitoring pump room equipment for docking and undocking of vessels
10. Familiarise with mooring and unmooring vessels during docking and shifting