

## Higher Nitec in Marine & Offshore Technology

HFMOZ

Higher Nitec in Marine & Offshore Technology

Specialisation / Option: Welding Technology

6 month IA Duration

MR5022FPE-1

1. Attend shipyard safety orientation course.
2. Attend VSCC meetings.
3. Carry out entry into confined space procedure.
4. Attend toolbox meetings.
5. Familiarise with the "Permit to Work System".
6. Perform common bench fittings operations.
7. Plan and select welding process and consumables.
8. Perform welding operations
9. Perform Non-Destructive Tests (NDTs) on weld metals.
10. Perform welding machine calibration.
11. Perform basic maintenance on welding equipment.

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Specialisation / Option: Pipe Design and Systems

6 month IA Duration

MR5022FPE-2

1. Attend shipyard safety orientation course.
2. Attend VSCC meetings.

3. Carry out entry into confined space procedure.
4. Attend toolbox meetings.
5. Familiarise with the "Permit to Work System".
6. Produce 2-D piping spool drawings.
7. Perform preliminary piping routing plans.
8. Perform dimensional check of pipes.
9. Prepare pipe cutting plans.
10. Perform pipe spool assembly.
11. Install pipe supports.
12. Perform pressure test on piping systems.
13. Perform leak tests on tanks.

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Specialisation / Option: Fabrication Technology

6 month IA Duration

MR5022FPE-3

1. Attend shipyard safety orientation course.
2. Attend VSCC meetings.
3. Carry out entry into confined space procedure.
4. Attend toolbox meetings.
5. Familiarise with the "Permit to Work System".
6. Plan for manpower deployment and work schedule.
7. Verify general arrangement drawings.
8. Sketch 3-D assembly drawings.
9. Perform structural markings on plates.

10. Perform material surface inspection.

11. Perform dimension control on structures.