Higher Nitec in Offshore & Marine Engineering Design

HFOMZ

Higher Nitec in Offshore & Marine Engineering Design

Specialisation / Option: Offshore & Marine Structure Design

6 month IA Duration

ED5037FPE-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. Produce arrangement drawings.

7. Produce structural detailed drawings.

8. Produce outfitting structure drawings.

9. Produce equipment foundation drawings.

10. Produce support drawings.

11. Produce block erection and arrangement drawings.

12. Produce block assembly drawings.

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Higher Nitec in Offshore & Marine Engineering Design

Specialisation / Option: Offshore & Marine Electrical System Design

6 month IA Duration

ED5037FPE-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 interior and exterior lighting layouts.

7. Produce electrical installation drawings.

8. Produce electrical equipment layout plans.

9. Produce cable routing drawings.

10. Produce drawings of electrical equipment.

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Higher Nitec in Offshore & Marine Engineering Design

Specialisation / Option: Offshore & Marine Piping System Design

6 month IA Duration

ED5037FPE-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. Produce construction drawings of on-board piping system.

7. Prepare P & ID drawings of marine system.

8. Produce pipe isometric drawings.

9. Produce pipe spool drawings.

10. Prepare as-built drawings.

11. Produce mechanical drawings

12. Generate material take-off.

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Higher Nitec in Offshore & Marine Engineering Design

Specialisation / Option: Offshore & Marine HVAC System Design

6 month IA Duration

ED5037FPE-4

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. Determine air-conditioning equipment selection.

7. Determine location of equipment.

8. Produce schematic drawings of air conditioning ducts.

9. Produce ducting arrangement drawings.

10. Produce construction drawings of air conditioning system.

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Higher Nitec in Offshore & Marine Engineering Design

Specialisation / Option: Marine Structure & System Modelling

6 month IA Duration

ED5037FPE-5

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. Create 3D design environment.

7. Create customised library components with defined attributes.

8. Configure material class in 3D database.

9. Define authorities for amendment of 3D drawings.

10. Create 3D models of electrical, structure, mechanical, HVAC, fire-fighting system.