

Higher Nitec in Integrated Mechanical & Electrical Design

HFIMD

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Specialisation / Option: Air-conditioning and Mechanical Ventilation Design

6 month IA Duration

ED5036FPE-1

1. Perform air-conditioning equipment selection
2. Produce schematic single line layout drawings
3. Produce ducting layouts and drawings
4. Produce air-conditioning piping layout

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Specialisation / Option: Electrical System Design

6 month IA Duration

ED5036FPE-2

1. Determine maximum demand for electrical loads.
2. Produce electrical single line drawings for buildings.
3. Produce electrical lighting and power layout drawings for buildings.
4. Produce distribution board and switchboard layout drawings.

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Specialisation / Option: Plumbing and Fire Protection Design

6 month IA Duration

ED5036FPE-3

1. Produce fire protection and fire fighting system piping layout drawings
2. Produce plumbing and sanitary system piping layout drawings.
3. Determine plumbing and sanitary pipe sizes
4. Produce fire alarm schematic drawings.