

# Higher Nitec in Rapid Transit Engineering

HF3RT

Higher Nitec in Rapid Transit Engineering

Specialisation / Option: Signalling

3 month IA Duration

RT43008FPE - 1

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Maintain Rapid Transit Signalling (Equipment)
7. Maintain Rapid Transit Signalling (Systems)

HF3RT, HF2RT, HFXRT

Higher Nitec in Rapid Transit Engineering

Specialisation / Option: Signalling

6 month IA Duration

RT53005FPE - 1

RT53006FPE - 1

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Maintain Rapid Transit Signalling (Equipment)
7. Maintain Rapid Transit Signalling (Systems)

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Higher Nitec in Rapid Transit Engineering

Specialisation / Option: Communication Systems

3 month IA Duration

RT43008FPE - 2

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Maintain Rapid Transit Communication Systems (Passenger)
7. Maintain Rapid Transit Communication Systems (Operational)

HF3RT, HF2RT, HFXRT

Higher Nitec in Rapid Transit Engineering

Specialisation / Option: Communication Systems

6 month IA Duration

RT53005FPE - 2

RT53006FPE - 2

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Maintain Rapid Transit Communication Systems (Passenger)
7. Maintain Rapid Transit Communication Systems (Operational)

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Higher Nitec in Rapid Transit Engineering

Specialisation / Option: ISCS

3 month IA Duration

RT43008FPE - 3

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Maintain Rapid Transit ISCS (Equipment)
7. Maintain Rapid Transit ISCS Systems (Systems)

HF3RT, HF2RT, HFXRT

Higher Nitec in Rapid Transit Engineering

Specialisation / Option: ISCS

6 month IA Duration

RT53005FPE - 3

RT53006FPE - 3

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Maintain Rapid Transit ISCS (Equipment)
7. Maintain Rapid Transit ISCS Systems (Systems)

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Higher Nitec in Rapid Transit Engineering

Specialisation / Option: Permanent Way

3 month IA Duration

RT43008FPE - 4

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Maintain Rapid Transit Permanent Way
7. Maintain Rapid Transit Track Electrification Systems

HF3RT, HF2RT, HFXRT

Higher Nitec in Rapid Transit Engineering

Specialisation / Option: Permanent Way

6 month IA Duration

RT53005FPE - 4

RT53006FPE - 4

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Maintain Rapid Transit Permanent Way
7. Maintain Rapid Transit Track Electrification Systems

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Higher Nitec in Rapid Transit Engineering

Specialisation / Option: Rolling Stock Systems

3 month IA Duration

RT43008FPE - 5

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Maintain Rapid Transit Rolling Stock Systems (Saloon)
7. Maintain Rapid Transit Rolling Stock Systems (Undercarriage)

HF3RT, HF2RT, HFXRT

Higher Nitec in Rapid Transit Engineering

Specialisation / Option: Rolling Stock Systems

6 month IA Duration

RT53005FPE - 5

RT53006FPE - 5

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Maintain Rapid Transit Rolling Stock Systems (Saloon)
7. Maintain Rapid Transit Rolling Stock Systems (Undercarriage)

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Higher Nitec in Rapid Transit Engineering

Specialisation / Option: AFC Systems

3 month IA Duration

RT43008FPE - 6

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Maintain Rapid Transit AFC Systems (Equipment)
7. Maintain Rapid Transit AFC Systems (Systems)

HF3RT, HF2RT, HFXRT

Higher Nitec in Rapid Transit Engineering

Specialisation / Option: AFC Systems

6 month IA Duration

RT53005FPE - 6

RT53006FPE - 6

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Maintain Rapid Transit AFC Systems (Equipment)
7. Maintain Rapid Transit AFC Systems (Systems)

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Higher Nitec in Rapid Transit Engineering

Specialisation / Option: Safety, Security and Administration Support

3 month IA Duration

RT43008FPE - 7

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Perform Safety, Security & Administration Support (On-site)
7. Perform Safety, Security & Administration Support (Off-site)

HF3RT, HF2RT, HFXRT

Higher Nitec in Rapid Transit Engineering

Specialisation / Option: Safety, Security and Administration Support

6 month IA Duration

RT53005FPE - 7

RT53006FPE - 7

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Perform Safety, Security & Administration Support (On-site)
7. Perform Safety, Security & Administration Support (Off-site)

HF3RT

Higher Nitec in Rapid Transit Engineering

Specialisation / Option: System Management or Asset Management SC&C

3 month IA Duration

RT43008FPE - 8

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Perform System Management / Asset Management SC&C (Field Services)
7. Perform System Management / Asset Management SC&C (Systems)

HF3RT, HF2RT, HFXRT

Higher Nitec in Rapid Transit Engineering

Specialisation / Option: System Management or Asset Management SC&C

6 month IA Duration

RT53005FPE - 8

RT53006FPE - 8

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Perform System Management / Asset Management SC&C (Field Services)
7. Perform System Management / Asset Management SC&C (Systems)

HF3RT

Higher Nitec in Rapid Transit Engineering

Specialisation / Option: BPLRT - Rolling Stock

3 month IA Duration

RT43008FPE - 9

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Perform BPLRT - Rolling Stock (Electrical) Maintenance
7. Perform BPLRT - Rolling Stock (Mechanical) Maintenance

HF3RT, HF2RT, HFXRT

Higher Nitec in Rapid Transit Engineering

Specialisation / Option: BPLRT - Rolling Stock

6 month IA Duration

RT53005FPE - 9

RT53006FPE - 9

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Perform BPLRT - Rolling Stock (Electrical) Maintenance
7. Perform BPLRT - Rolling Stock (Mechanical) Maintenance

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Higher Nitec in Rapid Transit Engineering

Specialisation / Option: NEL/SPLRT Power

3 month IA Duration

RT43008FPE - 10

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Perform NEL/SPLRT Power (Low Voltage) Maintenance
7. Perform NEL/SPLRT Power (High Voltage) Maintenance

HF3RT, HF2RT, HFXRT

Higher Nitec in Rapid Transit Engineering

Specialisation / Option: NEL/SPLRT Power

6 month IA Duration

RT53005FPE - 10

RT53006FPE - 10

1. Understand & Practice Workplace Safety and Health
2. Conduct Workplace Housekeeping
3. Prepare/Update/Check/Interpret/Produce Engineering or Construction Design, Circuit or Wiring Drawings
4. Provide Support Technical Report (inc. understand & generate)
  - Such as Installation, Testing or Maintenance Checklist and Documentation.
5. Perform Works with Proper Use of Hand Tools or Equipment
6. Perform NEL/SPLRT Power (Low Voltage) Maintenance
7. Perform NEL/SPLRT Power (High Voltage) Maintenance