

## Nitec in Aerospace Avionics

NFAAZ

Nitec in Aerospace Avionics

Specialisation / Option: MRO Cluster

6 month IA Duration

AM3109FPE-1

1. Identify and use approved aircraft standard parts for replacement/repair
2. Prepare and use appropriate tool and equipment for aircraft general maintenance
3. Install and remove safety locking and fastening devices on aircraft components
4. Perform general corrosion control
5. Prepare and apply or remove sealant on/from metal joints
6. Interpret aircraft drawing (e.g. Detail, Schematic, Exploded and Assembly drawings)
7. Maintain safety and health of the individual
8. Perform environment checks at aviation work site (including work at height)
9. Recognise human factor (including HIRA)
10. Maintain aircraft maintenance documented information
11. Interpret wiring circuits and engineering drawings
12. Maintain wiring loom
13. Perform soldering and desoldering on aircraft electrical /electronics components
14. Terminate electrical wires
15. Perform wire-wrapping connections
16. Install rigid and flexible fluid lines and fittings
17. Operate aircraft equipment (ground, support & lifting equipment)
18. Perform maintenance on aircraft electrical systems
19. Perform maintenance on a pitot-static system

20. Perform maintenance on an auto-pilot and flight recording system
21. Perform maintenance on an oxygen system
22. Perform maintenance of stall warning system
23. Perform maintenance on an aircraft radio communication system
24. Perform maintenance on an aircraft audio system
25. Perform maintenance on an aircraft radio navigation system
26. Perform maintenance on an aircraft radar system

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Nitec in Aerospace Avionics

Specialisation / Option: Line Component Maintenance Cluster (Workshop)

6 month IA Duration

AM3109FPE-2

1. Identify and use approved aircraft standard parts for replacement/repair
2. Prepare and use appropriate tool and equipment for aircraft general maintenance
3. Install and remove safety locking and fastening devices on aircraft components
4. Perform general corrosion control
5. Prepare and apply or remove sealant on/from metal joints
6. Interpret aircraft drawing (e.g. Detail, Schematic, Exploded and Assembly drawings)
7. Maintain safety and health of the individual
8. Perform environment checks at aviation work site (including work at height)
9. Recognise human factor (including HIRA)
10. Maintain aircraft maintenance documented information
11. Interpret wiring circuits and engineering drawings
12. Maintain wiring loom
13. Perform soldering and desoldering on aircraft electrical /electronics components

14. Terminate electrical wires
15. Perform wire-wrapping connections
16. Perform maintenance on AC and DC machines
17. Perform maintenance on avionic equipment
18. Perform maintenance of aircraft battery
19. Perform maintenance on synchro, pressure and temperature systems
20. Perform maintenance on an engine indicating system
21. Perform maintenance on a direct-reading magnetic compass and electronic display system
22. Perform simple checks on digital devices
23. Perform maintenance on fibre optics cable
24. Perform simple checks on electronics and semi-conductor devices
25. Perform AC and DC parameters check on electrical devices