

## **NITEC IN AIRCRAFT MAINTENANCE (AVIONICS)**

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### **MODULE OBJECTIVES**

#### **Core Modules**

##### **Basic Aircraft Maintenance**

On completion of the module, students should be able to apply general electrical wire interconnection systems (EWIS) practices, handle build-in test equipment, strip and terminate electrical wires to connectors, perform soldering of electrical or electronic components, interpret aircraft drawing, interpret aircraft manuals and catalogue, manage human factor errors and maintain fire protection system in compliance with industry standards and workplace safety regulations.

##### **Aircraft Electrical Systems**

On completion of the module, students should be able to set up aircraft equipment, perform connective device repair, minor corrosion control on electrical and electronic components and general cleaning on aircraft components or engine wire harnesses.

##### **Aircraft Instrument Systems**

On completion of the module, students should be able to explain the various aircraft instrumentation system, aircraft instruments and perform handling, removing and installing of instruments.

##### **Aircraft Radio Systems**

On completion of the module, students should be able to explain the operation principles of radio receivers and perform sealing of antenna.

##### **On-The-Job Training**

On completion of the module, trainees should be able to apply and integrate skills and knowledge acquired at ITE College, and further develop competencies at the workplace.