



# Certificate IV in Integrated Technologies (Robotics Control Systems)

National ID: 22519VIC | State ID:AB84

**Integrated technology is the coming together of various technologies that were previously stand alone, into new and innovative integrated applications.**

The impact of the application of **integrated technologies** is being increasingly felt within a range of industry areas such as **mining, engineering, electrical, electronic, information technology and manufacturing industries**. The technology used by these industries range from traditional electronics, hardware platform, networking automation, fibre internet connectivity.

Technicians who work in **Industry 4.0** sectors are required to be skilled in multiple disciplines. To be able to competently repair and maintain equipment you will need knowledge and skills in the following areas:

**Networking** – Including both wireless and cabled networks that incorporates the principles of cyber security

**Data Collection and Predictive Analysis.**

**Electronics** – You may be required to repair and fault-find sensitive electric equipment

**Electrical** – You will need to be able to understand the electrical concepts incorporating safety and licensing issues

**Mechatronics** – You'll have to have an understanding of the equipment that is used in the automatic processing and manufacture of products

**Auto control** - Repair and maintenance of automatic control systems whether they are physical devices on site or control provided by online via the industrial internet of things will also be a required skill

**Robotics** – You will need to be able to program and repair robotic equipment



## Your qualification prepares you for roles such as:

Service Technician, Installation Technician, Technician responsible for monitoring performance of equipment, and Technician engaged in repair of equipment and restoration of operations after failure.

### Further Study Option(s)

Further study including at university, in electrotechnology or engineering.

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## Course Overview



Location	Duration	Competitive	Selection criteria
East Perth	Two semesters	No	No selection criteria