



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