



# 22289VIC Certificate II in Integrated Technologies (Robotics Control Systems)

National ID: 22289VIC | State ID: AB59

## About this course

### Robots and autonomous systems are changing the way we live, work and play.

Across the globe automation, smart technologies and robots have been taking over routine tasks in many industries and Western Australia is no different with automation driving the future in the **mining, oil and gas** and other **engineering sectors**.

North Metropolitan TAFE has responded to industry requirements by offering this entry level course for those interested in a career in **robotics, automation and mechatronics**. If you want to take a hands on approach to a career in this growth industry then you'll get the skills and knowledge you need with this specialised Certificate II course. You'll learn through units covered in practical projects involving simple robots.

On completion of this introductory robotics course you could consider one of many study pathways including engineering, electronics or electrotechnology.

Start now on your pathway to employment in the robotics and automation industries, view [our flyer](#) for more information.

## Details

### Semester 2, 2019

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#### East Perth - On Campus



Duration: **1 Semester/s**



When: **Semester 2, 2019**



How:

**On campus**

## Units

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### Core

Unit Title	National ID
Apply principles of occupational health and safety in the work environment	MEM13014A
Carry out an integrated technology project	VU21701
Prepare for working in the integrated technology sector	VU21702
Work in an integrated technology environment	VU21703
Use electrotechnology skills in integrated technology work	VU21704
Use software applications in integrated technology work	VU21705

### Elective

Unit Title	National ID
Configure and program a basic robotic system	VU20906
Implement a digital circuit using a programmable logic device (PLD)	VU21352
Test and verify correct operation of a "by-wire" control system	VU21387
Set up and test an embedded control system	VU21388
Create products using 3D printing	VU21706

## Entrance requirements

School Leaver	Non-School Leaver	AQF
OLNA or NAPLAN 9 Band 8	C Grades in Year 10 English and Maths or equivalent	Certificate I or Certificate II

## Fees and charges

View our [Indicative Fees list](#)

## Local full time students

Course fees are made up of two components, tuition fees and resource fees.

**Tuition fees** are determined by multiplying the course fee rate by the nominal hours, which is the number of hours in which an average student could be expected to complete each unit. They are not the hours of training or instruction.

**Resource fees** are charges for material that are essential to a course or unit, and are purchased by NMT to be used by students during the course.

Fees may vary depending on the units you are enrolled in so an approximate amount has been shown. You will be given the exact amount of your fees at enrolment. Part time student fees will vary depending on the number of units you are enrolled in.

Please note, you may also need to buy textbooks or equipment for your course.

## International Students

Check [TAFE International WA](#) to confirm this course is available to international students. You will pay your tuition fees to TIWA.

**Please note, fees are subject to change.**