



UEE40711 Certificate IV in Electronics and Communications

National ID: UEE40711 | State ID: A137

About this course

Are you ready for an electronics career helping others get the message?

When you complete the Certificate IV in Electronics and Communications you'll be well on your way to a career as an electronic technician.

You will gain the practical skills and knowledge to assemble, test, maintain, and troubleshoot a range of electronic components and devices. You will develop your skills to fault-find power supplies, amplifiers, communications systems, digital and microcontroller systems. You will write and test programs to control external devices, and utilise workplace health and safety and sustainability practices.

This is a WA priority skills course so lower tuition fees apply and employment prospects are higher.


Dual qualification: at the Thornlie campus a second qualification in A132 UEE40111 Certificate IV in Computer Systems may be readily achieved as many units are common to both qualifications. Ask about this exciting option.

SM TAFE actively promotes the employment availability of course graduates to key industry partners and organisations. We also seek expressions of interest from organisations for the placement of our students into work experience. We endeavour to assist students into a career pathway, but please be aware that neither employment nor work experience placement is guaranteed by us.

Overview

Semester 1, 2020

Thornlie - Full Time-Classroom

 Duration: **1 Year**

 When: **Semester 1, 2020**

 How: **Full Time**

Units

Core

National ID	Unit Title
UEENEEE038B	Participate in development and follow a personal competency development plan
UEENEEE101A	Apply Occupational Health and Safety regulations, codes and practices in the workplace
UEENEEE102A	Fabricate, assemble and dismantle utilities industry components
UEENEEE104A	Solve problems in d.c. circuits
UEENEEE117A	Implement and monitor energy sector OHS policies and procedures
UEENEEE124A	Compile and produce an energy sector detailed report
UEENEEE137A	Document and apply measures to control OHS risks associated with electrotechnology work
UEENEEH102A	Repairs basic electronic apparatus faults by replacement of components
UEENEEH111A	Troubleshoot single phase input d.c. power supplies
UEENEEH112A	Troubleshoot digital sub-systems

National ID	Unit Title
UEENEEH113A	Troubleshoot amplifiers in an electronic apparatus
UEENEEH114A	Troubleshoot resonance circuits in an electronic apparatus
UEENEEH138A	Fault find and repair complex power supplies
UEENEEH139A	Troubleshoot basic amplifier circuits
UEENEEH146A	Solve fundamental electronic communications system problems
UEENEEK145A	Implement and monitor energy sector environmental and sustainable policies and procedures

Elective

National ID	Unit Title
UEENEEA102A	Select electronic components for assembly
UEENEEC005B	Estimate electrotechnology projects
UEENEEED101A	Use computer applications relevant to a workplace
UEENEEED102A	Assemble, set-up and test computing devices
UEENEEED103A	Evaluate and modify object oriented code programs
UEENEEED104A	Use engineering applications software on personal computers
UEENEEED129A	Develop web pages for engineering applications
UEENEEEE110A	Develop and implement energy sector maintenance programs
UEENEEEE114A	Supervise and coordinate energy sector work activities
UEENEEEF108A	Select and arrange equipment for wireless communication networks
UEENEEEH115A	Develop software solutions for microcontroller based systems
UEENEEEH166A	Troubleshoot microcontroller based hardware systems

National ID

Unit Title

UEENEEI155A

Develop structured programs to control external devices

Entrance requirements

School Leaver

Non-School Leaver

AQF

C Grades in Year 11 WACE General English, and OLNA; or NAPLAN 9 Band 8

C Grades in Year 11 English and Maths or equivalent

Certificate II or Certificate III

Job opportunities

- When you complete the Certificate IV in Electronics and Communications you'll be well on your way to a career as an electronic technician.

For information about jobs and pathways, please see <http://joboutlook.gov.au/>

Further study opportunities:

- UEE50111 Diploma of Computer Systems Engineering , State ID A155
- UEE50511 Diploma of Electronics and Communications Engineering, State ID A160

Fees and charges

Indicative fees and charges

[2019 general admission fees list](#)

[2019 apprenticeship/traineeship fees list](#)

Fees and charges published on our website are indicative. Your fees will depend on your eligibility for government funding or a concession rate, and the units you choose to study or seek to be recognised under Recognition of Prior Learning (RPL). Our Indicative fees lists show fees that are:

- Based on the full possible study plan of units, including the recommended electives
- Based on full time study in 2019
- Charged at the government funded rate for over 18 years of age students
- Based on unit electives designed to meet localised industry demand for skills
- Made up of course fees and resource fees, or RPL fees. Course fees are the cost of your tuition, while resource fees pay for consumables provided to you to aid your study (such as printing and paper). You may also be

required to purchase text books or equipment that are not part of our tuition or resource fees.

Fees may vary between students and between educational providers. Other charges may apply.

Visit our [Fees and payment options](#) page for more information.

Call 1800 001 001 to get a more accurate fee indication based on your eligibility and study plan before applying.

VET Student Loans

Selected courses are VET Student Loan eligible courses.

A VET Student Loan creates a debt that must be repaid to the Commonwealth and is only available to students who are eligible.

To find out if you are eligible or to see the list of eligible courses visit our [Student Loans](#) page.

International students

Selected courses are available to International students for full time study only.

Fees, charges, available locations, applications and enrolment procedures for International students are different to those for students who have Australian permanent residency.

For more information or to find a course visit the [TAFE International WA](#) website.

Apprenticeships and traineeships

Fees for apprenticeships and traineeships are charged at a rate per nominal hour of study.

This means that your fees will vary depending on the units you study as part of your training plan.

Apprentices and trainees are liable to pay for their own fees but some industrial agreements (awards) dictate that employers are required to reimburse their apprentice upon receipt of satisfactory progress. An employer may also opt to pay on behalf of the apprentice or trainee.

For more information visit our [Apprenticeships and traineeships](#) page.

Recognition of Prior Learning

Recognition of Prior Learning (RPL) enrolments are charged at \$3.25 per nominal hour of study.

No concession fees apply to RPL enrolments. Refer to the institutional or apprenticeship/traineeship fee lists for an indicative RPL course fee.

Please note, fees are subject to change.