



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 and Rockingham campuses 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 2, 2019

Thornlie Campus - Full Time-Classroom



Duration: **1 Year**



When: **Semester 2, 2019**



How: **Full Time**

Units

Core

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

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

Elective

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

Unit Title

National ID

Develop structured programs to control external devices

UEENEEI155A

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

This course is available as a traineeship.

Entrance requirements for traineeships

You must be employed in a training contract by an appropriate organisation to study an apprenticeship or traineeship.

In a traineeship you also gain hands-on skills and work experience, and improve your employment prospects, while earning a wage. On successful completion you will gain a nationally recognised qualification which can lead to rewarding career options. The difference between a traineeship and an apprenticeship is that a traineeship can be either a full time or part time employment based training arrangement, usually for a nominal duration of 12 months or more, generally in a non-trade related area.

To find out how to arrange a traineeship and study at South Metropolitan TAFE, please contact the [Jobs and Skills Centre](#) closest to you.

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.