



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.

Want to study this course part time?




This course offers part time study options when remaining places are available following full time enrolments. To receive a text message the day before part time enrolment days on campus with a check on remaining places, visit our [Register to study part time](#) webform.

Overview

This course will be offered with a blended, flexible delivery model to enable social distancing measures to be undertaken during the COVID-19 pandemic. This approach may include a mix of online and classroom based delivery, as well as practical and work experience placements. Lecturers will provide specific instructions to their student groups on how training will be undertaken.

All year round, 2020

Thornlie - Classroom-Traineeship

-  Duration: **2 Years**
-  When: **All year round**
-  How: **Part Time
Traineeship**

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 |

| National ID | Unit Title |
|-------------|---|
| 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 |
| 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 |
| UEENEK145A | Implement and monitor energy sector environmental and sustainable policies and procedures |

Elective

| National ID | Unit Title |
|-------------|---|
| UEENEEA102A | Select electronic components for assembly |
| UEENECE005B | Estimate electrotechnology projects |
| UEENEED101A | Use computer applications relevant to a workplace |
| UEENEED102A | Assemble, set-up and test computing devices |
| UEENEED103A | Evaluate and modify object oriented code programs |
| UEENEED104A | Use engineering applications software on personal computers |
| UEENEED129A | Develop web pages for engineering applications |

| National ID | Unit Title |
|-------------|--|
| UEENEEE110A | Develop and implement energy sector maintenance programs |
| UEENEEE114A | Supervise and coordinate energy sector work activities |
| UEENEEF108A | Select and arrange equipment for wireless communication networks |
| UEENEEH115A | Develop software solutions for microcontroller based systems |
| UEENEEH166A | Troubleshoot microcontroller based hardware systems |
| 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

[2020 general admission fees list](#)

[2020 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 Priors

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 2020
- 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.