



# UEE40711 Certificate IV in Electronics and Communications

National ID: UEE40711 | State ID: A137

## About this course

### Amp up your career in electronics and telecommunications

Complete the Certificate IV in Electronics and Communications and you'll have the practical skills and knowledge to work with **radio/telecommunication**, data systems/cabling and computer network hardware.

This course is **delivered partially online** and on campus over 18 months. If you have completed a Certificate II or a trade certificate in Electronics (or equivalent) you can apply for a credit transfer reducing your study time by either six or 12 months.

### Gain these skills

- Find and repair faults
- Dismantle, assemble and terminate cable
- Fabricate electrotechnology components
- Engineering drawing and project specification writing
- Supervisory and maintenance management
- Work safely in the industry

### Is this course right for me?

I have the following attributes:

- Good communication skills
- Good problem solving ability
- Good hand-eye coordination
- Enjoy technical and engineering activities



Some of the courses on the list can be done completely online. However some of the courses require a practical component which can't be done online, or some may be a mix of online and face-to-face learning. We'll let you know what's required for your course. For a full list of online courses, please use the filters under the *Refine course results* menu.

## Details

During your course of study, NMTAFE may use a variety of learning practices to ensure you get the best outcome for your learning journey.

This may include online learning, face-to-face classroom, laboratory/workshop delivery, work placement or a combination of these, depending on which is most appropriate.

## Continuous enrolment, 2020

### Midland - Online



When: **Continuous enrolment**



How: **Online**

## 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
UEENEEC004B	Prepare specifications for the supply of materials and equipment for electrotechnology projects
UEENEEC005B	Estimate electrotechnology projects
UEENEEE105A	Fix and secure electrotechnology equipment
UEENEEE107A	Use drawings, diagrams, schedules, standards, codes and specifications
UEENEEE110A	Develop and implement energy sector maintenance programs
UEENEEE114A	Supervise and coordinate energy sector work activities
UEENEFF102A	Install and maintain cabling for multiple access to telecommunication services
UEENEEH127A	Set up and adjust commercial radio frequency (RF) transmission and reception systems
UEENEEH142A	Solve oscillator problems
UEENEEH172A	Troubleshoot communication 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



### [Radio Communications Technician](#)

Other job titles may include:

- Communications Technician
- Electronics Equipment Technician
- Electronics and Communications Technician

*Please note this list should be used as a guide only as job titles and qualification requirements may vary between organisations.*

## Fees and charges

### 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.**