

AUTOMOTIVE

# Certificate III in Automotive Electrical Technology (Apprenticeship)

## Code

AUR30316

## Type

Accredited Course;  
Apprenticeship

## Study Mode

On Campus

## Duration

4 years

## Location

Yallourn

## Course overview

Have you got a love for automotive technology? Do you enjoy rolling up your sleeves and getting stuck into exciting projects?

The Certificate III in Automotive Electrical Technology is a great option for automotive apprentices who want to learn how to diagnose, service and repair the electrical systems in a huge range of vehicles.

You'll learn the skills you need to repair charging systems, compression ignition engines, spark ignitions, and a whole lot more. You'll also learn how to test, charge and replace batteries, jumpstart cars and install vital electrical components – sounds pretty good to us!

Taught in a combination of on-campus and in the workplace, this four-year course will allow you to put your new skills into action right away, gaining hands-on experience and increasing your employment opportunities.

And when you finish your qualification, the pathways are endless. You could begin working in automotive vehicle workshops and or dealerships as a qualified automotive electrical technician, while you take the time to decide where to take your career next.

Those next steps could be studying a Certificate III, IV and Diplomas within the automotive industry – and we'll be on hand to go through all of your options when and if the time comes.

Get more out of your apprenticeship as you prepare yourself for a thrilling career in the automotive industry with a Certificate III in Automotive Electrical Technology.

Please note, students must be registered and employed in the industry given this being an apprenticeship course.

## Times

**Block release:** Monday, Tuesday, Wednesday 8:00am–4:00pm

**Day release:** Thursday 8:00am–4:00pm

## Career opportunities

Employment in automotive vehicle workshops and or dealerships as a qualified automotive electrical technician.

## Opportunities for further study

Cert III, IV and Diplomas with-in the automotive industry.

## Qualifications and Recognition

Upon successful completion of this course students will be eligible to receive the Certificate III in Automotive Electrical Technology (Apprenticeship).

## Specialist Course Information

N/A

## Placement

Not Applicable

## **Material and Equipment Supplied by Students**

Pens, pencils, PPE as required

## **Entry Requirements**

### **Mandatory entry requirements**

- Registered and employed as apprentice.

### **Recommended entry requirements**

- Completion of year ten secondary studies, 16 years of age with a completion of a language literacy and numeracy assessment.

### **Limitations to entry**

- Not registered and employed apprentice

## **Recognition of Prior Learning (RPL)**

Many TAFE Gippsland courses offer Recognition of Prior Learning (RPL). To find out more visit the TAFE Gippsland website or contact us to discuss your options.

## **Course Cost**

For an individual quotation of fees payable and material and equipment fees to be supplied by students, please visit your nearest TAFE Gippsland campus.

## **VET Student Loans**

Not Applicable for this course

## **Student Services**

Student Services offers a range of services designed to meet student's social, emotional and educational needs. Contact Student Services on 1300 133 717.

## **Enquiries**

To find out more, visit the TAFE Gippsland website, or contact TAFE Gippsland to express your interest.

## **Course modules**

## Course units

AURETR124 Diagnose and repair compression ignition engine management systems

AURTTA118 Develop and carry out diagnostic test strategies

AURETR122 Diagnose and repair vehicle dynamic control systems

AURETR131 Diagnose and repair ignition systems

AURETR130 Diagnose and repair starting systems

AURETR129 Diagnose and repair charging systems

AURETR125 Test, charge and replace batteries and jump-start vehicles

AURETR123 Diagnose and repair spark ignition engine management systems

AURETR144 Diagnose and repair integrated engine and transmission management systems

AURETR143 Diagnose and repair electronic body management systems

AURTTE104 Inspect and service engines

AURETR112 Test and repair basic electrical circuits

AURTTK102 Use and maintain tools and equipment in an automotive workplace

AURASA102 Follow safe working practices in an automotive workplace

AURPTR102 Test and service electric outdoor power equipment

AURETB101 Diagnose and repair electric braking systems

AURETR132 Diagnose and repair automotive electrical systems

AURETR128 Diagnose and repair instruments and warning systems

AURETR135 Apply knowledge of petrol and diesel engine operation

AURETR116 Read and apply vehicle wiring schematics and drawings

AURETH011 Depower and reinitialise hybrid electric vehicles

AURETR026 Remove, replace and program electrical and electronic units and assemblies

AURETR017 Overhaul charging system alternators

AURETR018 Overhaul starting system motors

AURETR011 Install basic ancillary electrical systems and components

AURETR027 Install ancillary electronic systems and components

AURETR010 Repair wiring harnesses and looms

AURETR009 Install vehicle lighting and wiring systems

AURETR007 Apply knowledge of automotive electrical circuits and wiring systems

AURETR006 Solder electrical wiring and circuits

AURETK002 Use and maintain electrical test equipment in an automotive workplace

AURAEA002 Follow environmental and sustainability best practice in an automotive workplace