

Certificate II in Automotive Vocational Preparation

AUR20716

External RTO: Formula Student #41124

Certificate II in Engineering Pathways

MEM20413

External RTO: Formula Student #41124



VET
Course

This school-based dual VET program is designed to give students an introduction to the automotive and engineering industries.

Through the automotive program, students will gain skills and knowledge in the areas relating to identifying, inspecting, testing and repairing mechanical and electrical components and systems of light vehicles, heavy vehicles, and outdoor power equipment. This course also covers the skills and knowledge to perform maintenance and service requirements of vehicles.

Students will also further develop their knowledge and skills of the automotive and engineering industries, through the 'Formula High School Race Car Program'

In this program, students will gain skills and knowledge in the areas relating to metal fabrication, fitting and machining and welding as they learn to fabricate a Le Mans Style formula V race car. Upon completion, the students will have the ability to compete in a 6 hour endurance race against other schools at Lake Side Raceway.

Students will gain skills and knowledge in the areas of inspecting and servicing vehicle components including engines, using automotive tools and equipment, testing, servicing and charging batteries.

Pathways

Career opportunities in the automotive industry include:

- Automotive air-conditioning fitter
- Automotive electrician
- Automotive Technician-Light or Heavy Vehicle

- Automotive parts interpreter
- Bicycle service technician
- Boiler maker
- CNC operator
- Diesel fitter
- Diesel mechanic
- Exhaust fitter and repairer
- Fitter and turner
- Outdoor power equipment technician
- Panel beater
- Sheet metal worker
- Spray painter
- Tyre fitter
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Further Study Options

- Certificate III (apprenticeship) in a specialist automotive area of the student's choice
- Students may receive credit for relevant competencies towards a related apprenticeship by successfully completing their chosen program.

Assessment

Student tasks or projects are marked on a competency basis. Theory elements will be assessed by a combination of onsite and online tests and assignments. Students must complete all theory components to the required level to achieve requirements stated in the related elements. General performance is marked on a continuous basis in reference to current industry standards. Students must be able to prove their competency to perform work to the industry standard that is based on knowledge, skill and application to work.

Structure

AUR20716 Certificate II in Automotive Vocational Preparation

Core Units	Title
AURAEA2002	Apply environmental and sustainability best practice in an automotive workplace
AURAF2003	Communicate effectively in an automotive workplace
AURAF2004	Solve routine problems in an automotive workplace
AURASA2002	Apply safe working practise in an automotive workplace
AURETR1003	Apply automotive electrical system fundamentals
AURLTA1001	Apply automotive mechanical system fundamentals
AURTTK2002	Use and maintain workplace tools and equipment
Elective Units	
AURETR2015	Inspect and service batteries
AURPTE2002	Service engines
AURLTJ2003	Remove, inspect and refit light vehicle assemblies
AURTTA2004	Carry out servicing operations
AURTTA2005	Select and use bearings, seals, gaskets, sealants and adhesives

MEM20413 Certificate II in Engineering Pathways

Core Units	Title
MEM13014	Apply principles of occupational health and safety in the work environment
MEMPE005A	Develop a career plan for the engineering and manufacturing industry
MEMPE006A	Undertake a basic engineering project
MSAENV272B	Participate in environmentally sustainable work practices
Elective Units	
MEM16006A	Organise and communicate information
MEM16008A	Interact with computing technology
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
MEMPE001A	Use engineering workshop machines
MEMPE004A	Use fabrication equipment
MSAPMSUP106A	Work in a team
MSAPCH01A	Adapt to work in industry

N.B.: Units may be subject to change, and listed electives are chosen on resourcing from a wider training package.

Entry Requirements

- This subject is a user pays system. Students must be eligible to access VETIS funding to enrol in course.
- Students must supply their own Steel Capped Work Boots.

Contact Person

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