

Automotive Pathways

Engineering & Transport Industry

The Automotive Pathways Course provides students with an introduction to the Automotive Industry through a mixture of theoretical and practical components with an emphasis on practical skill development. The course provides students with a basic knowledge of the tools and equipment used within the industry and current Work Health and Safety requirements. The course is well supported by the local automotive industry and provides students with a pathway to the many different aspects of the industry and provides students with a solid grounding in the essential skills required. The second year of the program continues to build on the concepts they learnt during the first year. This includes working with automotive engine systems and servicing electrical, cooling and disc brake systems. Students will also participate in 20 days work placement.

DELIVERY

The Automotive Pathways Course is conducted on **one day per week** at **Mount Gambier High School** and **Millicent High School** or programmed into **block delivery** at **Bordertown High School** where the course is run primarily in the school holidays. Please contact the host school for more information regarding the delivery day and block delivery days.

- **Bordertown High School: 8752 1455**
- **Millicent High School: 8733 2400**
- **Mount Gambier High School: 8725 6244**

QUALIFICATION DETAILS:

Students will complete units of competency from **Certificate I Automotive Vocational Preparation (AUR10116)** at Stage 1. Students can then continue in the program and complete units from **Certificate II in Automotive Service Technology (AUR20516)** as a Stage 2 course.

SACE INFORMATION

Students will gain a minimum of **20 SACE credits** at Stage 1. Students who continue in the program and undertake the second year will gain a minimum of **20 SACE credits** at Stage 2 (if all units of competency are completed).

SPECIAL REQUIREMENTS

Students will be required to wear steel capped boots, long sleeved full cotton drill overalls, rigger gloves and clear safety glasses.

Some of the topics covered in the program are:

Unit of Competency	Nominal Hours
Identify environmental requirements in an automotive industry	25
Apply automotive workplace safety fundamentals	10
Apply automotive electrical system fundamentals	10
Apply automotive mechanical systems fundamentals	15
Use & maintain tools and equipment	20
Work effectively with others	20
Carry out servicing operations	20
Use numbers in an automotive workplace	10
Read in an automotive workplace	10
Service air conditioning & HVAC systems (STAGE 2)	25
Diagnose & repair air conditioning & HVAC systems (STAGE 2)	35
Carry out diagnostic procedures (STAGE 2)	20
Test & Repair basic electrical circuits (STAGE 2)	40
Retrofit & modify air conditioning & HVAC systems (STAGE 2)	30

**** Please note this is a guide only and is subject to change**

CAREERS IN THE AUTOMOTIVE INDUSTRY:

Automotive Air-conditioning Fitter, Light Vehicle Mechanical Technician, Heavy Vehicle Trainer Technician, Automotive Under body Technician, Automotive Machinist/Engine Reconditioner, Panel Beater, Vehicle Body Builder & Trimmer, Heavy Vehicle Mechanic, Maritime Engine Specialist

Potential pathways after the completion of SACE:

- Certificate II Automotive Servicing (specialising in Heavy Vehicle)
- Certificate II in Automotive Vehicle Body
- Certificate II in Automotive Sales (specialising in air-conditioning)
- Certificate III Automotive Vehicle Body Repair Technology
- Certificate III Automotive Mechanical Diagnosis
- Certificate III in Automotive Mechanical Overhauling
- Certificate IV in Vehicle Loss Assessing
- Certificate IV in Automotive Management
- Diploma of Automotive Technology