

Subject name	Formula Student - Certificate II in Engineering Pathways
Subject code	VFS
Subject type	Applied subject
Subject fee	\$100. There is a non-compulsory excursion at the end of the course – price to be confirmed.
Entry requirements	Satisfactory Effort and Behaviour results in Year 10

QUALIFICATION DESCRIPTION:

Formula Student focuses on students attaining work ready skills in the field of the engineering and manufacturing industries through a series of job cards. Formula Student is structured similar to a place of employment, where students will clock on and off jobs which culminates in a major project.

Over the course of the unit, the team of students will make parts for a Lemans prototype car. They will then assemble the vehicle and as a team test it at a track under supervised conditions for up to 6 hours and against other schools.

Students will gain an understanding of industry practices, interpret drawings and specifications, apply safe and practical production processes in applying hand and power tools in machinery.

The simulated work life infrastructure of Formula Student allows the learner to experience what it might be like in the real world in a controlled environment.

QUALIFICATION PACKAGING RULES:

Students who successfully complete this qualification receive 4 (four) QCE credit points.

Unit Code	Unit Name
MEM13014A	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
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
MEMPE002A	Use electric welding machines
MEMPE004A	Use fabrication equipment
MSAPMSUP106A	Work in a team

ASSESSMENT:

Assessment is competency-based assessment where students complete projects and demonstrate an ability to work through specific units of competency using the benchmarks provided by industry.

SUBJECT REQUIREMENTS:

Laptop, high-vis shirt (non-flammable), long cotton pants (ie. denim jeans), work boots.

All students are to abide by safety rules and regulations. Aprons are provided for student protection where necessary. Students need to supply and use protective glasses and hearing protection. These are mandatory.

CAREER OPPORTUNITIES:

Formula Student teaches students how to be accountable for their work/jobs, which is valued by all employers. Some trade areas that students find careers in are: Metal trades, motor trades, craftsperson, fitter and turner, engineer, manufacturer, mining industry.

SERVICE AGREEMENT:

The RTO guarantees that the student will be provided with every opportunity to complete the certificate as per the rights and obligations outlined in the enrolment process and information handbooks provided. Students successfully achieving all qualification requirements will be provided with the Qualification and record of results. Students who achieve at least one unit (but not the full qualification) will receive a Statement of Attainment. Students entering this qualification after it has commenced may have difficulty in gaining the full qualification in the remaining time.



RTO Provider Code - 41124

PLEASE NOTE: Unforeseen loss of qualified staff may result in the qualification not being completed. Correct at time of publication but subject to change