

MEM20413 Certificate II in Engineering Pathways



The MEM20413 Certificate II in Engineering Pathways is a nationally recognised qualification providing foundational skills that open students up to the world of Engineering and Manufacturing.

This Certificate is run in partnership with Formula Student (RTO Code: 41124) and has been designed as a project-based or activity-based certificate. The emphasis is on using current industry practice and safe technological processes to complete tasks through the fabrication and construction of a Formula High School® race car in a workshop or simulated workplace environment.

Projects and practical activities set the context within which the key elements of the certificate are delivered and provide the means for the consolidation and application of skills and knowledge.

Skills taught are authentic and credible. Students are instructed by the trainers and/or carry out blended learning, utilising video instruction to gain an understanding of the task plus underpinning knowledge and skill of what is required as an outcome. The student is assigned a task to manufacture, and must carry out steps required to achieve the outcome.

The component manufacture is broken down into the various step by step work tasks.

The certificate is designed to develop knowledge and skills within the engineering and manufacturing industry, from the language used, to the processes and methods, and the quality assurances around building an item for consumer usage. The training is flexible to accommodate new and emerging technologies in the manufacturing industries and the wide range of interests and abilities of the students who study it.



Career Opportunities:

- Boilermaker
- Fitter and Turner
- Technicians and Trades Workers
- Metal Fabricator
- Machinist
- Heavy Vehicle Mechanic
- Light Vehicle Mechanic

