



22470VIC Certificate II in Engineering Studies - Fabrication

This program provides students with broad-based underpinning competencies in a range of engineering skills such as basic machining, fabrication and use of tools.

National or State Accreditation

State

Course Aims

The VCE VET Engineering program aims to:

- provide participants with the knowledge and skills to achieve competencies that will enhance their employment prospects in the engineering industry
- enable participants to gain a recognised credential and to make a more informed choice of vocation or career path.

Contribution to VCAL/VCE

VCAL: One credit towards a VCAL learning program is awarded on successful completion of 90 nominal hours of accredited VET curriculum.

VCE: Students who complete this program may be eligible for recognition of two or more units at units 1 & 2 level and a units 3 & 4 sequence.

ATAR: Students wishing to receive an ATAR contribution for the Units 3 and 4 sequence must undertake **scored assessment** for the purposes of gaining a study score. This study score can contribute directly to the primary four or as a fifth or sixth study.

Where a student elects not to receive a study score for VCE VET Engineering, no contribution to the ATAR will be available.

Please note: The student must already have English and three other fully scored VCE/VET subjects to create the primary four.

Potential Pathways

- Certificate III in Engineering
- Certificate IV in Engineering
- Diploma of Engineering—various streams
- Advanced Diploma of Engineering
- Bachelor of Engineering

Potential Occupations

- Manufacturing engineering
- Boiler maker or toolmaker

Additional Requirements/Information

Prior to commencement of this course students must undertake a Pre-training review and a Language, Literacy and Numeracy evaluation.

Additional compulsory days required in the school holidays during Term 1 and 2.

Occupational Health & Safety

Students are required to wear protective footwear and other protective items as required under OH&S legislation. More information will be provided at commencement of the program.

Commencement of program will be dependent on adequate student numbers for enrolment and funding.
 Programs and units of competency are subject to change prior to commencement.
 This training is delivered with Victorian and Commonwealth Government funding to eligible individuals.

Cluster Provider

Federation University TAFE
 MESB Building, Grant Street, SMB Campus

Registered Training Organisation

Federation University TAFE

RTO Code

4909

Program Length

2 years

Day and Time

1st year – Thursday 1.45pm to 5.30pm

2nd year – Tuesday 1.45pm to 5.30pm

Additional compulsory classes in Terms 1 & 2 school holidays

Program Material Costs (approximate only)

1st year – \$103

2nd year – \$103

Structured Workplace Learning

Strongly recommended – 80 hrs minimum over total program

Outcomes

Satisfactory completion of this two year program entitles the student to a Certificate II in Engineering Studies.

Enrolment Type

VES

1st year Units of Competency

MEM13014A	Apply principles of occupational health and safety in the work environment
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
VU20913	Apply basic fabrication techniques
VU20914	Form, bend and shape engineering materials
VU20915	Perform basic welding and thermal cutting processes to fabricate engineering structures

2nd year Units of Competency

VU22329	Report on a range of sectors in manufacturing engineering and related industries
VU22330	Select and interpret drawings and prepare three dimensional (3D) sketches and drawings
VU22333	Perform intermediate engineering computations
VU22331	Perform basic machining processes
MEMPE006A	Undertake a basic engineering project
VU22332	Apply basic fabrication techniques