22470VIC Certificate II in Engineering Studies - Technical

This program provides students with broad-based underpinning competencies in a range of engineering skills such as robotics and computer aided drafting.

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

- Civil engineer
- Mining engineer
- Computer engineer
- Electrical engineer
- Mechanical engineer
- Environmental engineer
- Geotechnical engineer

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.

Cluster Provider
Federation University TAFE
MESC 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 – TBA

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
MEM16006A	Organise and communicate information
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
VU20909	Develop an individual career plan for the engineering industry
VU20912	Perform basic machining processes
MEM16008A	Interact with computing technology
VU20911	Handle engineering materials
MSAENV272B	Participate in environmentally sustainable work practices

2nd year Units of Competency

VU20910	Produce basic engineering sketches and drawings
MEM12024A	Perform computations
MSS402040A	Apply 5S procedures
VU20916	Create engineering drawings using computer aided systems
VU20906	Configure and program a basic robotic system

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.

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