

22470VIC

Certificate II in Engineering Studies



About

- ◆ This program aims to provide basic industry skills and knowledge specific to the Engineering industry and may contribute to gaining an apprenticeship in Engineering (Certificate III level).

Location and time

Year 1 / Year 2 continuing
Tuesdays & Wednesdays 8.30am – 3.30pm
Sunshine Campus,
438/460 Ballarat Rd, Sunshine North, 3020

Duration

2 years part time one day per week

Structured Workplace Learning

The Victorian Curriculum and Assessment Authority (VCAA) has determined that Structured Workplace Learning (SWL) is a valuable component of all VET Delivered to Secondary School students (VDSS) qualifications undertaken. VCAA strongly recommends that students undertake a minimum of 80 hours of SWL over the duration of the VDSS Certificate II in Engineering Studies.

Further information regarding SWL is available at:

<https://www.vcaa.vic.edu.au/curriculum/vet/swl-vet/Pages/Index.aspx>

Secondary schools are required to organise the Structured Workplace Learning.

Course fees

VU do not charge any fees to students directly to undertake VDSS with us. These fees are in line with the Department of Education & Training fee bands and are charged to the secondary school. Please contact your secondary school VET Coordinator for course fees.

Program outcomes

Recognition of a Units 1 and 2 and a Units 3 and 4 sequence when the minimum 180 nominal unit hours per year are successfully completed.

This program does not offer scored assessment.

Qualification

The award of 22470VIC Certificate II in Engineering Studies. Where the full qualification is not completed, a VET Statement of Attainment will be issued for each unit successfully completed.

Equipment

Personal protective clothing and equipment to be supplied by student:

- ◆ Overalls or work shirt (long sleeve) and workpants with rule pocket
- ◆ Safety boots
- ◆ Earplugs
- ◆ Safety glasses
- ◆ Calculator
- ◆ A4 ring binder
- ◆ Ballpoint pen and notebook

Course outline

Year 1	
Apply principles of Occupational Health & Safety in work environment	MEM13014A
Use hand tools	MEM18001C
Report on a range of sectors in the manufacturing, engineering and related industries	VU22329
Select and interpret drawings and prepare three dimensional (3D) sketches and drawings	VU22330
Perform basic machining processes	VU22331
Apply basic fabrication techniques	VU22332
Use power tools/hand held operations	MEM18002B
Perform metal machining operations	VU22335*

Year 2

Undertake a basic engineering project	MEMPE006A
Perform intermediate engineering computations (F/M/T)	VU22333
Produce basic engineering components and products using fabrication and machining operations	VU22334*

*Denotes pre-requisite unit prior to commencing

For all information on the Training Package and each Unit of Competency for this program, please click on the following link: <http://training.gov.au/Training/Details/22470VIC>

Contact

VDSS@vu.edu.au for further information



VU TAFE pathways

22470VIC Certificate II
in Engineering Studies

MEM30219 Certificate III
in Engineering (Mechanical
Trade)

MEM31922
Certificate III in Engineering
(Fabrication Trade)

MEM60122 Advanced
Diploma of Engineering
Technology (Mechanical)

UEE62122 Advanced
Diploma of Engineering
Technology – Electrical

*Certificate III is an apprenticeship course – you must be employed as an apprentice engineer to study it.