

Certificate II in Engineering Studies – (VDSS)

COURSE CODE: 22632VIC

Description:

If you enjoy problem-solving, working with your hands, and understanding how things work, this course is a great starting point. The Certificate II in Engineering Studies provides practical entry-level skills to help you explore pathways into the engineering and manufacturing industries. This course provides students with foundational skills and knowledge in engineering, manufacturing, and metal fabrication. Designed for secondary students interested in technical trades, the program blends theory with hands-on projects using industry-standard equipment in simulated workplace environments.

You will learn things like:

- Use industry-standard tools and equipment in a safe and controlled environment
- Interpret technical drawings and follow plans accurately
- Complete basic fabrication and machining tasks
- Apply mathematical principles to real-world engineering problems
- Work safely in line with industry procedures and practices
- Basic machining and fabrication processes
- Introduction to welding techniques (MIG, TIG, arc)
- Computer-aided design (CAD) and measurements
- Team-based engineering projects and problem-solving tasks

Does this sound like you:

- Enjoy problem solving
- Working with your hands
- An interest in how things are built, designed, and maintained
- Good hand-eye coordination and manual dexterity
- Strong problem-solving skills and a logical approach
- Confidence working with machines, tools, and technology
- The ability to follow detailed instructions accurately
- A solid understanding of mathematics or a willingness to improve in this area
- A safety-conscious mindset and ability to work as a member of a team

INFORMATION PROVIDED AS A GUIDE ONLY.

Please check details with nominated RTO prior to enrolment.

Venue & RTO:

RTO	Location	Delivery
GOTAFE (RTO : 3094)	Shepparton, Seymour & Wangaratta	On campus face to face
Melbourne Polytechnic (RTO : 3075)	Heidelberg Campus	Wednesday 8:30am - 12pm or 12:30pm – 4pm
Kangan Institute (RTO : 3077)	Broadmeadows	On campus face to face
AIET (RTO : 121314)	Whittlesea Secondary College**	Wednesdays: 9:00am - 3:15pm Units 1&2, Fridays: 9:00am - 3:15pm Units 3&4

**Contact host school for information

Fees:

Your school VET Coordinator can advise on fees.

Course length:

1 to 2 years depending on provider and unit selection

How to apply:

Speak to your school's VET Coordinator and complete the VDSS application form. Placement is subject to availability and school approval.

Qualification and Recognition:

- This program provides recognition of VCE VET credit. Students undertaking 22632VIC Certificate II in Engineering Studies are eligible for three VCE VET units at Units 1 and 2 level and a VCE VET Units 3 and 4 sequence on their VCE, VCE VM or VPC statement of results. Scored assessment is not offered.
- Pathways opportunities into Certificate III/IV and Diploma in Engineering
- Entry into registered apprenticeships or TAFE programs

Career Opportunities:

- Apprentice Fabricator, Welder, Fitter & Turner
- Labourer
- Tool maker
- Pathway to further studies in Engineering