

Certificate II in Engineering Studies

COURSE CODE	22470VIC
LOCATIONS	Portland
STUDY MODE	Full-time, On Campus
Length	15 weeks
Commencement	May
Timetable	Three days a week

Course Overview

This section gives you an introduction to what you will be learning in this course, plus course outcomes, career opportunities, and student support.

Introduction

During this pre-apprenticeship course you will gain knowledge of engineering principles and hands-on experience in basic fabrication techniques, machining processes, welding and using computer-based technology programs to test and operate a multi-purpose robot.

Graduates may pursue careers in engineering apprenticeships.

What will I Learn?

Students will learn a wide range of engineering skills including:

- How to manage a project
- How to safely operate a range of machines including lathes, drills, presses, welding equipment and power tools commonly found in industry
- How to draw using both traditional techniques and computer-aided design software
- Configure and program a [basic robotic system](#)
- Using computer-based technology programs to test and operate a multi-purpose robot

Course Outcomes and Career Opportunities

Upon successful completion, you will have the skills to begin an engineering apprenticeship in [Mechanical Trade](#) or [Fabrication Trade](#).

Pathways

The Certificate II in Engineering Studies provides a pathway to further study at South West TAFE. Credits from the Certificate II in Engineering Studies can be used towards an engineering apprenticeship, either [Mechanical Trade](#) or [Fabrication Trade](#).

This course may also offer a pathway to further study in the [trade industry](#).

Information Session

Why don't you come along to our next course info session to find out everything you need to start your learning journey? You can chat with our teachers, tour our facilities, learn more about the course, find out about the application process and get your questions answered by our course experts.

[Find the next info session near you](#)

Course Requirements

This section gives you an overview of entry requirements, course units and electives, skills recognition, and assessment criteria.

Entrance requirements & pre-requisites

Applicants must be at least 16 years of age.

Units offered

Core Units

Unit Code	Unit Name	Unit Hours	Unit Consumables
MEM13014A	Apply principles of occupational health and safety in the work environment	10	\$15.00
MEM18001C	Use hand tools	20	\$15.00
MEMPE006A	Undertake a basic engineering project	80	\$40.00
VU22329	Report on a range of sectors in the manufacturing, engineering and related industries	30	\$0.00
VU22330	Select and interpret drawings and prepare three dimensional (3D) sketches and drawings	20	\$10.00
VU22331	Perform basic machining processes	40	\$25.00
VU22332	Apply basic fabrication techniques	40	\$25.00

Elective Units

Unit Code	Unit Name	Unit Hours	Unit Consumables
MEM18002B	Use power tools/hand held operations	20	\$4.00
MEM30011A	Set up basic pneumatic circuits	40	\$10.00
VU22333	Perform intermediate engineering computations	40	\$0.00
VU22335	Perform metal machining operations	60	\$0.00
VU22336	Perform metal fabrication operations	60	\$25.00
VU22337	Perform basic welding and thermal cutting processes to fabricate engineering structures	60	\$25.00
VU22338	Configure and program a basic robotic system	60	\$70.00
VU22340	Use 3D printing to create products	40	\$10.00

Assessment

This course involves accredited units. You will be required to complete assessment tasks to demonstrate your underpinning knowledge, skills and attributes to meet the course outcomes. A combination of written, oral and practical assessment strategies will be used in either a classroom, online or workplace environment.

Where units require demonstration of skills in a workplace environment, you will have the opportunity to do this either in your own workplace (where appropriate), through a practical placement, or by using one of the Institute's simulated workshops/classrooms. Detailed information about the types, conduct and dates of assessments will be provided in advance. You will also be provided with information about the opportunity for reassessment and appeal.

After applying

Once you have applied for your chosen course, you will receive a thank you email from South West TAFE with a few steps to help process your enrolment.

Complete a Pre-Training Review

You will receive an email to complete a Pre-Training Review online evaluation. This evaluation helps us tailor your training to suit your needs.

Create or provide a Unique Student Identifier (USI)

A USI is a nationally recognised reference number that provides an online record of your training qualifications gained in Australia.

[Create your USI](#)

Already have a USI but can't remember it? [Find your USI](#)

Skills recognition

If you have experience or prior qualifications, you may be eligible to apply for [recognition of prior learning](#) and gain credits. You will be asked to provide any relevant Statement of Attainment to support identified credits.

Fees

This section gives you an overview of course fees, subsidies, and how they can be paid.

Course Fees

Here's an outline of fees and costs associated with your course.

Your fees each year can be made up of 3 different elements. Everyone has different circumstances that can affect what you pay and how much you pay. :

1. Tuition fees - charged as an hourly rate that varies from course to course. A large portion of the tuition is subsidised by the Victorian Government for eligible students.
2. Resource and/or materials costs - covers the cost of materials and other incidentals. This fee will vary according to the course being undertaken.
3. Booklist items - such as textbooks, equipment and stationery recommended for your course

Tuition fees

There are 4 different rates of tuition fees. Only one will apply to you (depending on your eligibility and circumstances).

1. **Government Subsidised Fee** - you could be eligible for a government-subsidised rate under the Skills First funding depending on your age, educational history, and citizenship or residency status. If you are eligible, the government will contribute to the cost of your training. [Find out more about subsidised training](#)
2. **Government Subsidised Concession Fee** - If you are eligible for a Skills First government-subsidised place and hold a current healthcare or pension card, that you can provide at enrolment, you may be eligible for the concession rate. Note, the concession rate is not applicable to Diploma level courses. [Find out more about concession rates](#)

3. **If the course is a Free TAFE course or part of the Free TAFE Pathways Program** - Eligible students will not pay course tuition fees for the duration of their enrolment in this course, however, there may be some consumable/material fees for the course (find out more below). Any resource or material costs, or booklist items for this course are listed in the table below.

[Find out more about Free TAFE](#)

[Find out more about Free TAFE Pathways Programs](#)

4. **Full fee** - If you are not eligible for a Skills First government-subsidised place, exemption, concession or are enrolling in a course that isn't government-subsidised, you may be required to pay the full fee rate.

FIND OUT MORE ABOUT FEES AND ELIGIBILITY

The fees listed below are indicative only. The student tuition fees as published are subject to change given individual circumstances at enrolment. Funding made available to eligible individuals by State and Commonwealth Governments. If funding is utilised, this may affect future opportunities to access additional funding in the future.

Course fees by student type	Indicative Course Fee
Government subsidised rate (if eligible)	\$1,540.00
Concession rate	\$310.00
Full fee rate (if not eligible for govt subsidy)	\$8,010.00

Additional course fees	Indicative Course Fee
Course consumable/materials (approximate)	\$264.00

This is a Free TAFE course

Students who are eligible for Free TAFE place will not pay course tuition fees for the duration of their enrolment in this course, however, there may be some consumable/material fees for the course (find out more below). The consumable fees for this course are listed in the above table.

[Find out more about Free TAFE courses and eligibility](#) or contact our Customer Service team.

Resource and/or materials costs

Some courses require specific resources or materials necessary for your study eg: tools of the trade, excursions, etc. Final costs will be determined upon enrolment.

How do I pay my fees?

Once we have processed your enrolment form, you will receive an email with your invoice.

You have [three options when organising your payment](#):

1. [Upfront payment](#) - can be made over the phone with EFTPOS
2. [Payment plan](#) - can be directly debited from your bank account, debited from your Centrelink payments or via a [VET Student Loan](#) (for diploma or advanced diploma courses only)
3. [Paid by employer, school or job network agency](#) - if your fees are being paid by your employer, school or job network agency, you will need to complete an Authority to Invoice form.

Payments will need to be arranged within five(5) business days of receiving the email containing your invoice.

We also offer a range of [scholarships](#) each year which you may be eligible to apply for to assist with course fees.

Next Steps

Ready to take the next step? Here you can make an enquiry, attend an information session or begin the application process.

How to apply

There are [five simple steps to apply for a course](#) with us.

1. **Apply** - [complete a short online application form](#). Once this form is submitted we'll send you a thank you email.
2. **Get ready** - your thank-you email will contain links to a pre-training review, to a unique student identifier and to government-subsidised training eligibility.
3. **Chat with your teacher** - your teacher or course specialist will contact you about your Pre-Training Review outcomes and additional course information.
4. **Enrol** - after chatting with your teacher, you will receive an email with your enrolment form and a link to verify your identity.
5. **Sign** - once you've completed your enrolment, you will receive a declaration form to review and sign.

If need any assistance with applying, [contact our Customer Service team](#) on 1300 648 911 or [visit your nearest campus](#).

Careers and Course Advice

Not sure which course is right for you? South West TAFE will help you find your way.

Our Careers Coaches at the [Skills and Jobs Centre](#) is here to support you. Whether you're exploring career options, transitioning from school to the workforce or looking to study after school we're here to help you.

Student Support

As a SWTAFE student, you can access a variety of support services that will enhance your study experience and help you complete your studies successfully. For more information about any of these services, [visit our student page](#).