

Certificate III in Engineering - Fabrication Trade

COURSE CODE	MEM30319
LOCATIONS	Portland
STUDY MODE	Full-time, Apprenticeship
Length	Three years
Commencement	Start any time
Timetable	12, three-day blocks per year plus workplace training

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.

Study from home during COVID-19 restrictions

Whilst we pride ourselves on our hands-on training, we have had to adjust most of our courses for study from home and remote learning during the COVID-19 restrictions. This means courses will be delivered using a range of methods including online learning, virtual classrooms, workbooks and direct contact with your teacher.

Given the government restrictions that are now in place to reduce the spread of coronavirus in Australia, we expect this new model of study will continue until the government makes changes to these restrictions.

Introduction

This qualification covers the skills and knowledge required for employment as an Engineering Tradesperson - Fabrication within the metal, engineering, manufacturing and associated industries or other industries where Engineering Tradespersons - Metal Fabricators work.

The qualification has been specifically developed to meet the needs of apprentices in the above trade. The qualification packaging has been developed on an assumption that competency will be developed through an integrated combination of on and off-the-job learning strategies such as those delivered through a formal apprenticeship. The qualification may also be achieved through formal skills recognition assessment processes.

Course Outcomes and Career Opportunities

The Certificate III in Engineering - Fabrication Trade specifies the competencies required for employment as an Engineering Tradesperson - Fabrication. Steel fabricators/Boilemakers are employed in a variety of industries including Manufacturing, Ship building and repair, Defense, Mining and Construction. The work is varied and includes structural steel fabrication and erection, pressure vessel manufacturer, decorative and safety handrails and pressure pipeline installation. Work is carried out both in a workshop environment and on site with a range of materials including aluminium, stainless steel and low carbon steels.

Pathways

Upon successful completion, you may continue further study in the Certificate IV in Engineering.

Course Requirements

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

Entrance requirements & pre-requisites

You must be employed as an engineering apprentice in a suitable workplace to enrol in this course.

Apprenticeship/Traineeship Entry Requirements

You need to be employed in this field before commencing this course. If you are currently **not** employed in this field please contact the Skills and Jobs Centre for further advice on 1300 648 911.

Units offered

Core Units

Unit Code	Unit Name	Unit Hours	Unit Consumables
MEM05005	Carry out mechanical cutting	20	\$5.00
MEM05007	Perform manual heating and thermal cutting	20	\$4.00
MEM05009	Perform automated thermal cutting	20	\$5.00
MEM05010	Apply fabrication, forming and shaping techniques	80	\$3.00
MEM05011	Assemble fabricated components	80	\$3.00
MEM05012	Perform routine manual metal arc welding	20	\$4.00
MEM05015	Weld using manual metal arc welding process	40	\$3.00
MEM05016	Perform advanced welding using manual metal arc welding process	40	\$3.00
MEM05017	Weld using gas metal arc welding process	40	\$4.00
MEM05019	Weld using gas tungsten arc welding process	40	\$3.00
MEM05036	Repair, replace and/or modify fabrications	40	\$2.00
MEM05037	Perform geometric development	60	\$11.00
MEM05049	Perform routine gas tungsten arc welding	20	\$4.00
MEM05050	Perform routine gas metal arc welding	20	\$4.00
MEM05051	Select welding processes	20	\$5.00
MEM05052	Apply safe welding practices	40	\$4.00
MEM09002	Interpret technical drawing	40	\$7.00
MEM11011	Undertake manual handling	20	\$5.00

MEM12007	Mark off/out structural fabrications and shapes	40	\$2.00
MEM12023	Perform engineering measurements	30	\$3.00
MEM12024	Perform computations	30	\$3.00
MEM13015	Work safely and effectively in manufacturing and engineering	40	\$15.00
MEM14006	Plan work activities	40	\$5.00
MEM16006	Organise and communicate information	20	\$2.00
MEM16008	Interact with computing technology	20	\$10.00
MEM17003	Assist in the provision of on-the-job training	20	\$5.00
MEM18001	Use hand tools	20	\$5.00
MEM18002	Use power tools/hand held operations	20	\$4.00
MSMENV272	Participate in environmentally sustainable work practices	30	\$0.00

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. Free TAFE - Students who are eligible for Victorian government-subsidised training 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](#)
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)	\$3,105.00
Concession rate	\$625.00
Full fee rate (if not eligible for govt subsidy)	\$17,655.00

Additional course fees	Indicative Course Fee
Course consumable/materials (approximate)	\$493.00

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.

Booklist

Your course may require you to purchase additional materials or books (eg uniform, stationery, textbooks). Some of these items are optional and some are mandatory, however, you are able to choose where to purchase these items from (including second hand).

You can download the booklist for this course here: <https://www.swtafe.edu.au/media/2614/mem30319-certificate-iii-in-engineering-fabrication-trade.pdf>

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 for an apprenticeship or traineeship

There are five simple steps to apply for an apprenticeship or traineeship with us.

1. **Find a job** - find a job as an apprentice or trainee through an Apprenticeship Centre or Group Training Company.
2. **Register** - register with an Australian Apprenticeship Support Network (AASN) and nominate SWTAFE as your training provider (your employer will usually do this for you).
3. **Complete a pre-training review** - SWTAFE staff will contact you to organise your Pre-Training Review once your AASN contract registration is complete.
4. **Enrol** - complete the enrolment form provided to you and provide your identification.
5. **Sign** - once you've completed your enrolment form and verified your identification you will receive your student declaration form to review and sign. You can sign this digitally via your smartphone, computer or tablet.

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](#).