



Certificate III in Engineering - Mechanical Trade

MEM30205

- Nationally Recognised Training
- Apprenticeship Allowed
- This training is subsidised by the NSW Government

DURATION 4Yr	ATTENDANCE Part Time	DELIVERY Combination	START DATE Enquire Now
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LOCATION
Ultimo, Main Campus
651-731 Harris Street, Ultimo

STUDY COMMITMENT
7 Hours Per Week

How much time on average each week you will need to commit to successfully complete this course.

Hours include class attendance/participation, directed study, and any required work placements.

You may also need to do additional hours of self-directed study.

Studying with TAFE NSW

With over 25,000 industry connections*, teachers experienced in the latest industry trends plus state-of-the-art facilities, it's easy to see why TAFE NSW is Australia's largest training provider. Want even more reasons to study with us?

*TAFE NSW current employer database as of May 2017

85.9%
EMPLOYER SATISFACTION

NSW EMPLOYERS ARE VERY SATISFIED WITH THE QUALITY OF THE NATIONALLY RECOGNISED TRAINING WE DELIVER*

83%
GRADUATE SATISFACTION

TAFE NSW ENJOYS A RATING WELL ABOVE THE NATIONAL AVERAGE FOR THE OVERALL QUALITY OF TRAINING#

80%
OF GROWTH AREAS COVERED

WE OFFER TRAINING IN 80% OF THE OCCUPATIONS PREDICTED TO HAVE THE GREATEST GROWTH OVER THE NEXT 5 YEARS^

93%
WOULD RECOMMEND TAFE NSW

AS A TRAINING PROVIDER - NATIONAL VET AVERAGE 90%**

Source: ^ employment.gov.au, * Graduate Satisfaction Survey - Undergraduate [Quality Indicators of Teaching and Learning (QILT) - Course Experience Questionnaire 2017-2018]. * NCVET, Survey of Employers' Use and Views of the VET System, 2017. ** VET - NCVET Graduate Outcomes Survey 2018

OVERVIEW

The nationally recognised Certificate III in Engineering - Mechanical Trade is your pathway to becoming a fitting machinist, fitter and turner or CNC machinist. Get ready to join in-demand industries like mechanical engineering, oil and gas drilling, Defence Force construction and power generation.

LEARN NEW SKILLS

Through a mix of theory and practical coursework, learn to:

- Interpret technical drawings
- Operate a lathe and milling machine
- Install and align machines and equipment

DEVELOP YOUR TALENT

Develop the attributes to help you get ahead:

- Problem solving and troubleshooting skills
- Mechanical aptitude to use appropriate tools
- Communication skills to work as part of a team and understand mechanical terminology

ACHIEVE YOUR GOALS

Completing this course provides you with:

- A nationally accredited qualification at Certificate III level
- A strong pathway to continue your study and enhance your career opportunities

Career opportunities:

- Blacksmith
- Boilermaker
- Fabrication tradesperson
- Pressure welder

GROW YOUR CAREER

Take your career further with the:

- Certificate IV in Engineering
- Diploma of Engineering - Advanced Trade

ENTRY REQUIREMENTS

When you study with TAFE NSW, we want you to succeed. Entry requirements allow us to make sure that you have the right pre-existing knowledge and skills to achieve your chosen qualification. You will need to provide evidence that you meet the requirements listed in this section.

ENTRY REQUIREMENTS

TAFE NSW offers the Certificate III in Engineering - Mechanical as an apprenticeship. There may also be options available for you to study as a non-apprentice.

Apprenticeship

To be eligible for this course, you must:

- Be employed as an apprentice in the mechanical trade industry as evidenced by a letter of support from your employer
- Submit your training plan proposal (TPP) with your application

Non-apprenticeship

There may be options available for you to study as a non-apprentice. Enquire today, and one of our Apprenticeship and Traineeship team will help you understand any eligibility or entry requirements that apply.

WORK PLACEMENT

There is no work placement requirement for this qualification. As an apprentice, you will gain your experience on-the-job with your employer.

If you are enrolling as a non-apprentice, you need to be in relevant employment or have access to appropriate simulated workplace environments in order to meet the course completion requirements.

You are responsible for arranging your own work placement. Our team can offer support and guidance to assist you.

IS THIS COURSE RIGHT FOR YOU?

To be prepared for this course, we recommend that you have:

- An ability to work in different environments, including outdoor and indoor work and confined spaces
- Completed your NSW School Certificate or equivalent level of education
- Numeracy and literacy skills at a Year 10 or equivalent level
- An ability to work different hours, including shift work and weekends

If you need help preparing for study, contact us about your options.

ADDITIONAL REQUIREMENTS

With 130 locations across the state, TAFE NSW tailors qualifications to meet the needs of the local community and specific student groups (like apprentices, fast-tracked and online students). To make sure this course is the right fit for you, we will need you to demonstrate that you can meet the additional requirements below.

To be enrolled in this course, you need to be able to provide evidence that you are:

- Student must be engaged in Apprenticeship prior to enrolment in this course.

To successfully complete this course, you will need:

The minimum requirements for achievement of the Certificate III in Engineering - Mechanical Trade are:

Completion of all core units of competency, and Completion of Group A Mechanical Trade stream units to the value of at least 40 points, and

Completion of units from Group B Certificate III Trade specialisation units listed in Appendix 1, Volume 1 of the Training Package, to bring the total value to at least 73 points.

Points associated with prerequisites count towards the total (refer to units and prerequisites listing in Appendix 2, Volume 1).

Appropriate Group B elective units to the value of 16 points may be chosen from other endorsed Training Packages and accredited courses where those units are available for inclusion at Certificate III. Note that the elective units listed below include all of the units that are approved for selection from the MEM Training Package for use in this qualification. This meets the NQC requirement that one sixth of the total units must be able to be selected from other qualifications in the same Training Package.

Registered Training Organisations must seek a determination from Manufacturing Skills Australia in respect of the allocation of points values for units of competency drawn from other Training Packages or accredited courses.

Only select units that would be suitable for Mechanical Trade occupational outcomes.

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(See the full packaging rules in Training.gov.au).

OTHER COURSE INFORMATION

INFORMATION SESSIONS

There are no information sessions currently scheduled for this course.

STUDY COMMITMENT

This is a part time day blended course. You will need to attend approximately 6.7 hours of class, over 1 day a week for 108 weeks.

You may also be required to complete additional 13.7 hours of study each week outside of class hours, including content review, assessment preparation, and workplace learning as part of the the industry employment.

IS THIS COURSE RIGHT FOR YOU?

Participants in this programme are apprentice who may have completed an introductory or part qualification and those from diverse backgrounds that have met the entry requirements through recognition of previous studies, work experience, life experience or a combination of them all.

Work Placement is a rquirement of this course. You will need to cpmplete:

Workplace experience - unstructured on the job learning as part of their industry employment.

Assessment can include a variety of methods where students may need to gather evidence from their experience at work and / or evidence from their time in practical hands on workshop (TAFE NSW Campus Engineering workshop) and theory based assessments that could be completed without the access to a workplace or simulated workplace environment.

MORE ABOUT THIS COURSE

To be enrolled in this course, you need to be able to provide evidence that you are:

- Student must be engaged in industry relevant employment prior to enrolment in this course.

There is a new version of this course coming soon. If it is available before you complete your studies, you will be notified of your options and may be transferred to the new course.

SERVICES AND STUDY SUPPORT

We offer student services and study support to ensure you can achieve your goals. Learn about TAFE NSW [Student Services](#)

As a TAFE NSW student in this course, you will have access to:

- LinkedIn Learning (formerly Lynda.com)
- Smarthinking - after hours online study support service
- Easy computing online short courses
- Access to local TAFE libraries
- Accessibility and Disability Support Services
- Access to Read&Write learning support software at TAFE and at home

ATTENDANCE

The way you learn may change during your enrolment to ensure the best learning experience or to keep you safe as COVID-19 restrictions change, and some of our face to face classes may change to online or virtual classroom learning. Also, to ensure that we keep you safe while studying, we may modify our face to face classes to meet physical distancing requirements and increased cleaning on campus. If work placement and the demonstration of practical skills are requirements of your course, there may be a modification or delay in the planned timeframe due to COVID-19 impacts. Be assured, we'll keep you informed every step of the way.

This course is currently scheduled on Monday from 8:00am to 4:15pm. This timetable may change and will be confirmed by your teacher.

FEE DETAILS

SUBSIDISED PRICES

FIRST QUALIFICATION *
\$2,680.00

SUBSEQUENT QUALIFICATION
\$3,220.00

APPRENTICESHIP **
\$2,000.00

CONCESSION
\$240.00

NON-SUBSIDISED PRICE

FULL FEE
\$12,000.00

*If you are 35 years old or over and are looking for work you may be eligible for the mature age workers **Fee-Free** scholarship which will be verified at enrolment.

You may be eligible for the NSW Smart & Skilled **Fee-Free Apprenticeship which will be verified at enrolment

WHAT DO THESE PRICES MEAN?

First Qualification Fee

Applies to a student who does not already hold a post-school qualification from any tertiary sector (TAFE, private provider or University), and includes any vocational (certificates, Diplomas, Advanced Diplomas) and higher education (degree) qualifications achieved in Australia or overseas previously.

Subsequent Qualification Fee

Applies to a student who already holds one or more post-school qualifications from any tertiary sector (TAFE, private provider or University), and includes any vocational (certificates, Diplomas, Advanced Diplomas) and higher education (degree) qualifications achieved in Australia or overseas previously.

Apprenticeship Fee

Eligible apprentices are exempt from fees when undertaking an apprenticeship under the NSW Government's Fee Free Apprenticeship. For apprentices who are not eligible, apprenticeship qualification fees are capped at \$2,000.

For more information visit the [Fee Free Apprenticeships](#) page.

Traineeship Fee

Applies to a student undertaking a traineeship qualification under a traineeship pathway, with fees are capped at \$1,000.

For more information visit the [Apprenticeships and Traineeships](#) page.

Concession Fees

Applies to eligible disadvantaged students who receive a specified Commonwealth Government welfare benefit or allowance. Concession fees are discounted, with flat fees applied across a qualification level.

For more information on concessions and exemptions, visit the [Smart and Skilled Fee Exemption and Concessions](#) page

on the *Smart and Skilled* website.

For more information on Smart and Skilled funding, visit the [Smart and Skilled](#) page.

SMART AND SKILLED FEES

This course is government-subsidised, meaning you pay a portion of the full course fee to TAFE NSW and the NSW Government will pay the balance. However, you must meet certain eligibility criteria for this to apply.

Depending on your previous qualifications and experience, your fee may be less than the maximum fee quoted. Your actual fee and eligibility for concession/exemption will be calculated and confirmed during the enrolment process. Payment plans are available through TAFE NSW for Smart and Skilled eligible qualifications.

For further information about eligibility and explanations of the different fee categories, visit [Are You Eligible?](#)

ADDITIONAL RESOURCES

You will need to provide for yourself the following resources which you will keep when you complete your study:

- This course is for engineering employees, engaging in a Certificate III in Engineering - Mechanical Trade (Fitter Stream).

READ BEFORE YOU ENROL

Learn about TAFE NSW [Fees](#)

Learn about TAFE NSW [Payment/Funding](#)

RECOGNITION

Recognition is a process of acknowledging previously completed qualifications, skills, knowledge or experience relevant to your course. This may reduce the amount of learning required, reduce your course fees and allow you to achieve your qualification faster.

Learn about Recognition at TAFE NSW [Recognition](#)

HOW TO ENROL

Enrolments for this course have now closed.

[Enquire now](#) and we will contact you when enrolments open. Visit our [Online Courses](#) to view our range of study options that you can start anytime.

UNITS

UNIT CODE	UNIT DESCRIPTION
MEM05005B	Carry out mechanical cutting
MEM07005C	Perform general machining
MEM07006C	Perform lathe operations
MEM07007C	Perform milling operations
MEM09002B	Interpret technical drawing
MEM10006B	Install machine/plant
MEM11011B	Undertake manual handling
MEM12006C	Mark off/out (general engineering)
MEM12023A	Perform engineering measurements
MEM12024A	Perform computations
MEM13014A	Apply principles of occupational health and safety in the work environment
MEM14004A	Plan to undertake a routine task
MEM14005A	Plan a complete activity
MEM15002A	Apply quality systems
MEM15024A	Apply quality procedures
MEM16006A	Organise and communicate information
MEM16007A	Work with others in a manufacturing, engineering or related environment
MEM16008A	Interact with computing technology
MEM17003A	Assist in the provision of on the job training
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations

MEM18003C	Use tools for precision work
MEM18005B	Perform fault diagnosis, installation and removal of bearings
MEM18006C	Repair and fit engineering components
MEM18007B	Maintain and repair mechanical drives and mechanical transmission assemblies
MEM18009B	Perform levelling and alignment of machines and engineering components
MEM18011C	Shut down and isolate machines/equipment
MEM18012B	Perform installation and removal of mechanical seals
MEM18013B	Perform gland packing
MEM18018C	Maintain pneumatic system components
MEM18020B	Maintain hydraulic system components
MEM18055B	Dismantle, replace and assemble engineering components
MSAENV272B	Participate in environmentally sustainable work practices

CAREER OPPORTUNITIES

Mechanical tradesperson (traditionally referred to as Fitting and Machining Tradesperson) at level C10 under the Metal, Engineering and Associated Industries Award.

NEXT STEPS

Need more information? Call our customer support team on 131 601 or [submit an enquiry](#)