



Certificate III in Engineering - Mechanical Trade

MEM30205

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

DURATION
3 Years

STUDY TYPE
Part Time Day

START DATE
Anytime

LOCATION
Newcastle
266 Maitland Road, Tighes Hill

STUDY COMMITMENT
7.1 Hours Per Week

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

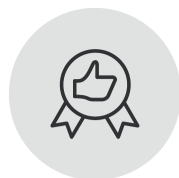
Hours include class attendance/participation, directed study, and any required work placements.

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*



80%
OF GROWTH AREAS COVERED

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



83%
GRADUATE SATISFACTION

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



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:

- an apprentice (you will work in industry and study at the same time)
- employed full time

- signed up with an Apprentice Network Provider and have a Training Plan Proposal
- seeking to gain skills and knowledge to become a qualified Mechanical Engineer after successful completion

To successfully complete this course, you will need:

- To demonstrate skills and performance evidence requirements in a simulated environment at a TAFE campus that is reflective of industry standards and activities. The simulated work environment will provide students with access to industry standard machinery, tooling and associated machinery to gain a real-world experience that aligns with their job role.

OTHER COURSE INFORMATION

Discover the skills you need for the job you want at the [TAFE NSW Information Sessions](#), 21-25 June 2021.

INFORMATION SESSIONS

To find out more about this course, meet our teachers and receive information about enrolment and next steps, attend an information session.

Date	Time	Location
Thursday, 24 June 2021	Anytime between 1.00pm to 5.00pm	Newcastle Campus, Building D, Ground level, Room DG11

STUDY COMMITMENT

This is a Part-time day course. You will need to attend approximately 7.1 hours of class, over 1 days a week, for 3 years.

You may also be required to complete approximately 14.5 hours of additional study each week outside of class hours, including review/assessment preparation and work placement.

You will be notified of which day you will need to attend.

IS THIS COURSE RIGHT FOR YOU?

This course offering is designed for people who:

- Are apprentices under a Training Contract and is receiving appropriate structured on the job training while undertaking this qualification.

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

There are additional learning and study tools available for this course, including:

- Aboriginal and/or Torres Strait Islander Student support and Services
- Accessibility and Disability Services
- Personal Counselling
- Vocational Counselling
- Learning Support
- International Student Support
- Scholarships
- Multicultural 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:

TAFE NSW | RTO 90003 | CRICOS 00591E | HEP PRV12049

Information as of 29 Jul 2021

- 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

This course is currently scheduled on either Monday, Tuesday, Wednesday, Thursday or Friday from 8.00am to 3.30pm. 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

*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

There are a range of study options for NSW Apprentices and eligible non-apprentices with relevant industry work experience in this course.

Under the NSW Government fee-free apprenticeship initiative, NSW apprentices that commence their training on or after 1 July 2018 may be eligible for fee-free training. Apprentices are required to provide evidence of their NSW apprenticeship to finalise their enrolment and applicable fees.

This course is also a TAFE NSW Trade Pathways Qualification and ideal if you have been working in this industry for an extended period of time but haven't received a qualification. To be eligible to enrol as a non-apprentice and secure funding, you must firstly meet the Smart and Skilled eligibility criteria and be:

- over 21 years of age
- able to demonstrate and provide evidence of extensive industry experience and
- able to demonstrate relevant ongoing work experience and provide workplace evidence to support the achievement of competence.

To study this course as a NSW apprentice or to check if you meet the non-apprentice requirements for NSW funding, please enquire now or call 131 601. 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:

- PPE approximately: \$150.00
- Text books approximately: \$160.00

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

Before you can start an apprenticeship, you first need to find an employer in the industry you're interested in that will support you through your studies. You and your employer should contact an Apprenticeship Network Provider (ANP) and tell them you're interested in studying at TAFE NSW.

The ANP will help you and your employer to complete a Training Contract. Once you have a Training Contract, we will help you, your employer and the ANP to complete a Training Plan Proposal. Once you have both these documents, the ANP will lodge them with State Training Services, who will provide further advice about next steps.

Find out more: https://www.training.nsw.gov.au/apprenticeships_traineeships/index.html

For further information or assistance, call 131 601.

UNITS

UNIT CODE	UNIT DESCRIPTION
MEM05005B	Carry out mechanical cutting
MEM05007C	Perform manual heating and thermal cutting
MEM05012C	Perform routine manual metal arc welding
MEM05015D	Weld using manual metal arc welding process
MEM05017D	Weld using gas metal arc welding process
MEM05050B	Perform routine gas metal arc welding
MEM05052A	Apply safe welding practices
MEM07005C	Perform general machining
MEM07006C	Perform lathe operations
MEM07007C	Perform milling operations
MEM07008D	Perform grinding operations
MEM07021B	Perform complex lathe operations
MEM09002B	Interpret technical drawing
MEM11011B	Undertake manual handling
MEM12003B	Perform precision mechanical measurement
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
MEM18004B	Maintain and overhaul mechanical equipment
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
MEM18008B	Balance equipment
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](#)