

COURSE CODE

MEM20105

COURSE

**Certificate II in Engineering**

**ENROL TODAY**

**TAFENSW.EDU.AU or 131 601**

### WHY CHOOSE TAFE NSW?



**Opens career doors.** Our industry relationships lead many students directly into work with a range of employers including agencies, studios, galleries and fashion houses.



**Global prospects.** TAFE NSW graduates possess the technical knowledge, creative-thinking and specialised skills that are highly sought after by employers around the world.



**State-of-the-art facilities.** Purpose-built creative studios and industry standard software mean you will master the same tools of the trade as leading professionals.



**Industry exposure.** TAFE NSW partners with industry to provide you with hands-on experience through networking, sponsor programs, competitions, talks, lectures and other creative industry events.



**Recognised and respected.** TAFE NSW has built its reputation on delivering trusted, industry aligned and nationally recognised training for over 130 years.

# Certificate II in Engineering

National Course Code: MEM20105 | TAFE NSW Code: MEM20105-01V09-20DCE-150

Qualification Level	Certificate II
Study Type	Full Time
Course Start Date	Enquire Now
Hours Per Week	16
Duration	17 Weeks
Delivery Locations	Design Centre Enmore ( Jewellery )
Course Fees	<p><b>Subsidised Prices</b>            First Qualification: \$1,320.00            Second Qualification: \$1,580.00            Traineeship: \$1,000.00            You may be eligible for the NSW Smart &amp; Skilled <b>Fee Free</b> Traineeship which will be verified at enrolment.            Concession: \$160.00</p> <p><b>Non-subsidised Prices</b>            Full Fee: \$5,130.00</p>
Course Features	Nationally Recognised Training Traineeship Allowed This training is subsidised by the NSW Government

## Course Description

The nationally accredited Certificate II in Engineering leads to entry level engineering roles in a number of growing industries, and provides you with a direct study pathway into an engineering trade qualification. Gain a broad understanding of underpinning engineering principles, and use your electives to explore mechanical engineering, fabrication and more.

### LEARN NEW SKILLS

Through theoretical and practical course work, you will learn:

- Foundation engineering principles and how to apply them
- How to put your new planning skills in action
- To work with quality procedures and systems
- The essentials of work, health and safety regulations and codes of practice

### DEVELOP YOUR TALENT

Develop the attributes to get ahead in this industry:

- Investigative and problem solving skills
- Confident professional communication
- Mechanical aptitude

## **ACHIEVE YOUR GOALS**

Completing this course will provide you with:

- A nationally recognised qualification at Certificate II level
- Strong study pathways to continue your training and enhance your career opportunities

## **Career opportunities include:**

- Jewellery maker
- Engineering factory worker
- Production worker
- Warehouse operator (metal and engineering)

## **GROW YOUR CAREER**

Take your career further with:

- Certificate III in Engineering - Trade qualification
- Certificate IV in Engineering
- Diploma of Engineering - Advanced Trade
- Diploma of Engineering - Technical (Mechanical)
- Diploma of Engineering - Technical (Mechatronics)

## **INDUSTRY DEMAND**

Emerging technology and increasing automation is predicted to disrupt all industries, particularly in manufacturing. Skilled engineers are needed to ensure that we can develop and apply engineering practices in innovative ways.

# **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.

## **TRAINING PACKAGE REQUIREMENTS**

There are no Training Package entry requirements for this qualification.

## **TAFE NSW REQUIREMENTS**

There are no TAFE NSW entry requirements for this qualification.

## **LICENSING REQUIREMENTS**

No licensing, legislative or certification requirements apply to this qualification.

## **WORK PLACEMENT**

There is no work placement requirement for this qualification, as you will gain your experience on the job with your employer. However, this is a practical qualification.

To meet the completion requirements, you will need to be either in industry employment or have a traineeship and have access to appropriate workplace environments.

## **BE PREPARED**

To be prepared for this course, it is recommended that you have:

- Completed Year 10 of high school
- A good understanding of math and English
- Current employment in the engineering and manufacturing industry

If you need support in preparation for study, contact us about your options.

To successfully complete this course, you will need:

- To be able to successfully complete this course, you will need to prioritise time for skill development.

Projects may include the use of specialist materials, tools and equipment, and require close attention to detail and safety.

## Information Sessions and more about the course

### INFORMATION SESSIONS

There are no information sessions currently scheduled for this course.

### STUDY COMMITMENT

This is a Full Time Face to face course. You will need to attend approximately 16 hours of class, over 2.5 days a week, for 17 weeks/ 4 months.

You may also be required to complete approximately 19.5 hours of additional study each week outside of class hours, may include private study, assignment preparation and research (independent study, research, practice and assignments).

### IS THIS COURSE RIGHT FOR YOU?

This course offering is designed for people who:

- This introductory course is designed for students who have an interest in starting a career in Jewellery manufacture but have only limited, or no practical jewellery making experience or skills. It is most suitable for people looking to begin their study of jewellery manufacture in order to move into further educational opportunities.

### 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)
- Studiosity - online access to a real life tutor
- 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 for Monday, Tuesday and Wednesday 2.5 days a week. Alternatively, time table for multiple student groups will be generated when course starts, time table is subject to change without notice.

## Fee Details

### 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:

- In addition to your course fee, there will be additional ongoing material costs for metal, gems and tools. Depending on the type of materials, this could be from \$50.00 to \$100.00. All tools are loaned to students for one semester, however it is the student's responsibility to replace any lost or damaged tools.

### 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

### Enquire now for Semester 2 2020 and be notified when enrolments open.

TAFE NSW is open for business so to find out more information on this course including when it will start and how it will be delivered (face-to-face, in a virtual classroom, self-paced, online or a mixture), submit an online enquiry by clicking the Enquire Now button on this page. You can also call 131 601 during business hours\* to chat with a member of our friendly customer service team.

**\* Our customer service team are available from Monday to Friday, 9am to 5pm AEST.**

## Units

MEM13014A	Apply principles of occupational health and safety in the work environment
MEM14004A	Plan to undertake a routine task
MEM15002A	Apply quality systems
MEM15024A	Apply quality procedures
MEM16007A	Work with others in a manufacturing, engineering or related environment
MEM08010B	Manually finish/polish materials
MEM11011B	Undertake manual handling
MEM16006A	Organise and communicate information
MEM05006C	Perform brazing and or silver soldering
MEM06007B	Perform basic incidental heat/quenching, tempering and annealing
MEM09002B	Interpret technical drawing

MEM12001B	Use comparison and basic measuring devices
MEM13003B	Work safely with industrial chemicals and materials
MEM13004B	Work safely with molten metals/glass
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
MEM07032B	Use workshop machines for basic operations

## Career Opportunities

Operator-production worker or operator-process worker at level C12 under the Metal, Engineering and Associated Industries Award.