MEM20105 Certificate II in Engineering (Light Fabrication Pre-Apprenticeship)

National ID: MEM20105-AA52 | State ID: AA52

About this course

Gain the heavy-duty qualification you need for a job in the metal trades

If you enjoy working with your hands, are physically fit and able to visualise how an object should look from a drawing, you may have the aptitude for working as a fabricator. Fabricators work in either a domestic or commercial setting making roofing products, air-conditioning ducts, electrical switchboards, hospitality equipment such as range hoods and benchtops; and you may specialise in stainless steel custom fabrication using the latest welding and polishing processes.

Many employers now prefer apprentices to have completed a pre-apprenticeship and this course will give you a better chance of gaining an apprenticeship and a flying start in learning a trade.

Gain these skills

- Working from detailed drawings/ plans to specification
- Use hand tools, power tools and machines to shape, cut, and bend metals
- Assemble parts and structures by welding, bolting or riveting
- Use welding and cutting equipment, including manual metal arc, gas metal arc, gas tungsten arc, oxy fuel gas cutting plant, oxy-acetylene welding plant, plasma cutting plant and spot welder
- Finish products by cleaning, polishing, filing

Is this course right for me?

I have the following attributes:

- Comfortable working in a physical environment
- Good hand-eye coordination
- Interested in computer programmable machinery
- Enjoy technical activities
- Able to work individually and/or in a team

**Overview**

**Clarkson**

- **Duration:** 6 Months
- **When:** Semester 1
- **How:** Full-Time
  On campus

**Midland**

- **Duration:** 6 Months
  1 Semester/s
- **When:** Semester 1
  Semester 2
- **How:** On campus

**Entrance requirements**

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<th>School Leaver</th>
<th>Non-School Leaver</th>
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<tr>
<td>OLNA or NAPLAN 9 Band 8</td>
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<td>C Grades in Year 10 English and Maths or equivalent</td>
<td>Certificate I or Certificate II</td>
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**Study pathway**

The units covered will also transfer into Mechanical Fitting or Fitter and Machinist trades. You will need to be employed and registered as an apprentice or trainee before you can commence apprenticeship/traineeship training.

**Job opportunities**

- Apprentice Sheetmetal Trades Worker

The successful completion of this qualification provides you with the skills and knowledge to apply for employment as an apprentice Heavy Fabricator (boilermaker) or Light Fabricator (sheet metal) in the metals and engineering sector. You may also seek employment as a trade’s assistant in this sector. Many employers and Group Employer Schemes
contact North Metropolitan TAFE throughout the year with a view to offering apprenticeships to students. Graduates of the Certificate II in Engineering have a greater chance of obtaining an apprenticeship than those without this qualification, because they have the knowledge, skills and competency that employers require.

**Important information**

You will complete 2 weeks simulated workplace and 2 weeks in actual workplace.

Other costs for consideration:

- Personal Protection Equipment kit (approx. $168)

Typical timetable:

- 3 days per week

**Fees and charges**

View our [Indicative Fees list](#)

**Local full time students**

Course fees are made up of two components, tuition fees and resource fees.

**Tuition fees** are determined by multiplying the course fee rate by the nominal hours, which is the number of hours in which an average student could be expected to complete each unit. They are not the hours of training or instruction.

**Resource fees** are charges for material that are essential to a course or unit, and are purchased by NMT to be used by students during the course.

Fees may vary depending on the units you are enrolled in so an approximate amount has been shown. You will be given the exact amount of your fees at enrolment. Part time student fees will vary depending on the number of units you are enrolled in.

Please note, you may also need to buy textbooks or equipment for your course.

**International Students**

Check [TAFE International WA](#) to confirm this course is available to international students. You will pay your tuition fees to TIWA.