MEM30305 Certificate III in Engineering - Fabrication Trade (Heavy/Welding YH)

National ID: MEM30305 | State ID: WT77

About this course

LOWER FEES LOCAL SKILLS This qualification is part of the *Lower fees, local skills* program where you'll pay only half of the standard course fees.

Forge a career in heavy metal fabrication

When you complete the Certificate III in Engineering - Fabrication Trade (Heavy/Welding YH) you'll be looking at a trades career as a **boilermaker**, **welder**, or **fabricator** in industries such as mining or construction.

You will gain the skills and knowledge to **create and work with metal fabrications**, using workshop tools and equipment and various welding techniques.

The Certificate III in Engineering - Fabrication Trade (Heavy/Welding YH) is an apprenticeship, please see the Apprenticeships section for more information.

Gain these skills

- Use workshop machines and hand and power tools
- Metal, gas, flux core, tungsten, arc welding
- Thermal cutting
- Measuring
- Technical drawing
- Workplace health and safety.

Is this course right for me?

I have the following attributes:

- Physical strength and fitness

- An eye for detail, patience and accuracy
- Technical and mechanical aptitude
- Problem-solving skills

The following people will be entitled to a concession rate on the half price course fees under *Lower fees, local skills*.

- All students aged 15-24 years
- Persons and dependents of persons holding:
  - a pensioner concession card;
  - a repatriation health benefits card issued by the Department of Veterans' Affairs; or
  - a Health Care Card
- Persons and dependents of persons in receipt of the Youth Allowance, AUSTUDY or ABSTUDY
- Dependents of persons who are inmates of a custodial institution
- Secondary school-aged persons, not enrolled at school.

If you are not eligible, please see our Skill sets page.

Details

During your course of study, NMTAFE may use a variety of learning practices to ensure you get the best outcome for your learning journey.
This may include online learning, face-to-face classroom, laboratory/workshop delivery, work placement or a combination of these, depending on which is most appropriate.

Semester 2, 2020

Midland - Apprenticeship

Duration: **7 Semester/s**

When: **Semester 2, 2020**

How: **On campus**

Units

Core

National ID	Unit Title
MEM12023A	Perform engineering measurements
MEM12024A	Perform computations

National ID	Unit Title
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
MSAENV272B	Participate in environmentally sustainable work practices

Elective

National ID	Unit Title
AUMGTM005	Read and interpret engineering drawings and determine requirements
MEM05005B	Carry out mechanical cutting
MEM05007C	Perform manual heating and thermal cutting
MEM05008C	Perform advanced manual thermal cutting, gouging and shaping
MEM05010C	Apply fabrication, forming and shaping techniques
MEM05011D	Assemble fabricated components
MEM05012C	Perform routine manual metal arc welding
MEM05015D	Weld using manual metal arc welding process
MEM05017D	Weld using gas metal arc welding process
MEM05019D	Weld using gas tungsten arc welding process
MEM05036C	Repair/replace/modify fabrications
MEM05037C	Perform geometric development

National ID	Unit Title
MEM05047B	Weld using flux core arc welding process
MEM05049B	Perform routine gas tungsten arc welding
MEM05050B	Perform routine gas metal arc welding
MEM05051A	Select welding processes
MEM05052A	Apply safe welding practices
MEM09002B	Interpret technical drawing
MEM11011B	Undertake manual handling
MEM12007D	Mark off/out structural fabrications and shapes
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations

Entrance requirements

School Leaver	Non-School Leaver	AQF
OLNA or NAPLAN 9 Band 8	C Grades in Year 10 English and Maths or equivalent	Certificate I or Certificate II

You must be employed in a training contract by an appropriate organisation to study.

Further study

Post trade studies

Job opportunities

Boilermaker | Welder | Fabricator

Other job titles may include:

- Metal Template Maker
- Structural Steel Trades Worker
- Pressure Welder
- Welder (First Class)

Please note this list should be used as a guide only as job titles and qualification requirements may vary between

organisations.

Fees and charges

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.

Please note, fees are subject to change.