

# Diploma of Engineering Technology/Certificate III in Engineering (Fabrication Trade)

Cert III CRICOS: 065403K, Course: MEM30305  
Diploma CRICOS: 056301B, Course: 21621VIC

## Course Outline

This course provides the broad-based training required by a tradesperson in the metal fabrication Industry. Successful completion of this program will enable students to gain specialist skills in sheet metal, boilermaking, and structural steel fabrication. The Diploma covers the design, manufacture and maintenance of mechanical equipment and systems using metal fabrication technology. Use of computer aided design software is a core part of this program. Fabrication trades people are in high demand, and graduates will have higher level technician skills enabling them to apply theoretical concepts to solve complex technical engineering problems.

Study includes: mechanical and thermal cutting; reading drawings, marking out/welding/assembly, computer numerical control (CNC) brake pressing operations, computer numerical control (CNC) profile cutting, fabrication of light and heavy components, computing and computer aided drafting. Certificate III can be taken alone as a 1 year course.

## Duration

- 2 years full time
- Attendance is 2.5 days per week

## Intake

February and July major intakes  
Students may also commence at any point during the year

## Location

Chisholm Dandenong

## Admission

Equivalent IELTS 5.5  
Equivalent Year 12

## Application Procedure

Apply direct to Chisholm or through a Chisholm authorised International Education Agent.

## Career Opportunities

- Welder (First Class)
- Metal Fabricator
- Boilermaker.

## Cost (2012 intake)

\$11,500 + \$840 Materials Fee



## Further Study

Advanced Diploma in Engineering Technology, degree studies.

## Subject Areas

- Fabrication methods
- Operation of fabrication equipment
- Welding
- Mechanical cutting processes
- Metal fabrication
- CAD
- Strength of materials structural
- Fabrication
- Manufacturing systems
- Metallurgy principles
- Science
- Mathematics.

## Assessment

Assessment is a combination of written and online assignments, tests, examinations and practical application projects.



Study in Melbourne, Australia

Chisholm Institute of TAFE CRICOS code 00881F



### Facilities

Chisholm has large technically advanced engineering facilities, which includes 4 huge workshops of approximately 500 square metres each. Training is based on practical, hands on work with access to the latest technology in a simulated work environment. In each practical class, there is a maximum of 14 students, with each student working at their own work station and machinery.

Chisholm has flexible teaching spaces and workshops that can be adapted to meet new and emerging skills and sustainability principles are embedded into the facilities and training programs.

### Location

The South East region of Melbourne is a major manufacturing hub in Victoria, with Dandenong at its centre. This area provides more than 40% of Victoria's total manufacturing output. Consequently, the manufacturing sector is a vital component of the Dandenong business community. This provides students with many opportunities for work experience and part time jobs in the industry that are close to the campus. As a result, we produce more employable graduates that are job ready once they finish their course.

### Flexible learning

The engineering department holds both day and evening classes, so there is more flexibility in how each student completes their course. Our Engineering courses follow competency based learning, and students can enrol at any time of the year.

### Quality Training

Students in Chisholm's Engineering courses gain genuine, advanced skills that are tailored for the current demands of the industry, and as a result, graduates are of a very high standard. In many cases, international classes are mixed with local students (apprentices), providing students with the experience of the Australian work place. Content and course delivery is identical to that of local students.

### Staff

Chisholm's Engineering staff are some of the state's most respected, highly skilled teachers and have vast experience in the engineering and manufacturing industry. All staff sit on industry boards including one teacher is also the chief WTIA (Welding Institute of Australia) inspector for Victoria. Our staff are often asked to consult on various projects for their expertise and specialist knowledge. Chisholm's Engineering staff are passionate about what they do, and genuinely care about each student they teach, long after they have graduated. They take the time to get to know their students, and help with the broad range of adjustments required when living in another country.



### Industry

Chisholm is well regarded in the engineering and manufacturing industry. Industry groups are consulted every year in the review of each course to ensure its currency the industry. Through this continual consultation, Chisholm is able to provide quality, endorsed training and delivers the skills required by industry.

### Environmental sustainability

In today's environment we are all conscious of the need to be greener, cleaner and more cost-effective. Environmental sustainability is embedded into our Engineering courses, to prepare tomorrow's workforce to contribute to a sustainable future. Our students are trained in ecologically sound principles resulting in diligent, environmentally aware, sought after graduates who are responsive to current and potential issues in the industry.



### Need more information?

Speak with an authorised Chisholm Institute agent, or

**Web:** [www.chisholm.edu.au/international](http://www.chisholm.edu.au/international)

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