



DIPLOMA OF ENGINEERING-TECHNICAL MEM50212

CRICOS COURSE CODE 091732K

COURSE OVERVIEW

Advanced engineering and manufacturing technologies form the basis of future innovation in industry. Workforce skills in these areas are key to increasing efficiency, productivity and competitiveness in modern manufacturing. The Diploma of Engineering - Technical provides you with the practical skills in organising and analysing information, interacting with computing technology and selecting engineering materials.

JOB PROSPECTS

Computer Aided Design (CAD) Drafter, Mechanical Engineer and mid-level positions in engineering

DURATION

- 52 weeks

INTAKES 2021

- January 25
- April 19
- July 12
- October 4

INTAKES 2022

- January 24
- April 18
- July 11
- October 3

ENTRY REQUIREMENTS

- Students must be at least 18 years old
- High School or Higher Education
- English language requirements: IELTS 5.5 (with no individual band less than 5.0), Upper Intermediate or Site Institute pre-admission test

PATHWAYS

Completion of a Site Institute diploma can provide you with a pathway into a Bachelor's degree at leading Australian universities.

This means you can cut down the amount of time and money you need to complete your degree, or in some cases, even enrol straight into the second year of your university course.

RECOGNITION OF PRIOR LEARNING

Recognition of Prior Learning (RPL) is available for each Unit of Competency, based on your relevant workplace experience, formal training, or other expertise. RPL is a process that assesses your competency—acquired through formal and informal learning—to determine if you meet the requirements for a unit of study.

When applying for this course, please indicate whether you intend to apply for RPL. Please note that if RPL or course credit is granted, the course length will be reduced, and a Confirmation of Enrolment (CoE) will be issued only for the reduced duration of the course.

UNITS OF COMPETENCY (20)

Apply basic engineering design concepts MEM09011B

Apply engineering mechanics principles MEM23109A

Apply mathematical techniques in a manufacturing, engineering or related environment MEM30012A

Apply technical mathematics MEM23004A

Calculate force systems within simple beam structures MEM30005A

Detail ancillary steelwork MSATCS504A (Elective B)

Detail standardised structural connections MSATCS501A

Detail structural steel members MSATCS502A

Interact with computing technology MEM16008A

Interpret technical drawing MEM09002

Manage project quality BSBPMG532

Manage project risk BSBPMG536

Manage project time BSBPMG531

Operate computer-aided design (CAD) systems to produce basic drawing elements MEM30031A

Organise and communicate information MEM16006

Participate in environmentally sustainable work practices MSAENV272

Produce basic engineering drawings MEM30032A

Produce basic engineering detail drawings MEM09204A

Select common engineering materials MEM30007A

Use computer-aided design (CAD) to create and display 3-D models MEM30033A

COURSE CREDIT

Our nationally endorsed qualifications comprise of Units of Competency approved by the governing authority, ASQA. You are not required to repeat any Unit of Competency for which you have already been assessed as Competent, unless a regulatory requirement or licence condition (including an industry licensing scheme) requires this.

When applying for this course, please provide suitable evidence if you have successfully completed a Unit of Competency at any other RTO, for which we will provide credit for the Unit.

*Information current at time of printing. Units may be subject to change.

August 2021