

Certificate II in Engineering MEM20105

COURSE DESCRIPTION & PATHWAYS:

The Certificate II in Engineering is a pre-apprenticeship course providing the foundation qualifications for employment in Engineering/ Manufacturing Industries. Students will learn skills in using both hand and power tools, measuring and calculating, technical drawing and drafting, load shifting, thermal cutting, various types of welding and using both mills and lathes, as well as safety in the workplace and quality control. Some trades include programming and operating Computer Numerical Control (CNC) machines such as lathes and mills.

Engineering students are employed in metal fabrication and mechanical operations, including the mining industry, ship building, civil and general fabrication and construction.

Core - 5 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

Elective Units*

MEM05005B	<i>*Elective Units subject to change</i> Carry out mechanical cutting
MEM05049B	Perform routine gas tungsten arc welding
MEM05050B	Perform routine gas metal arc welding
MEM07032B	Use workshop machines for basic operations
MEM09002B	Interpret technical drawing
MEM11011B	Undertake manual handling
MEM12023A	Perform engineering measurements
MEM12024A	Perform computations
MEM14005A	Plan a complete activity
MEM16008A	Interact with computing technology
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations

STRUCTURED WORKPLACE LEARNING:

Students also spend 140 hours in a workplace undertaking Structured Workplace Learning to gain on-the-job training and mentoring while developing their technical skills and becoming more employable.

SACE CREDITS:

40 SACE Credits at Stage 1 as per the SACE VET Recognition Register.

FEES:

This course is supported by the Government of South Australia and is Training Guarantee for SACE Students (TGSS) approved. Eligibility and enrolment conditions apply.

Please refer to www.skills.sa.gov.au for eligibility criteria.

COURSE LOCATION:

Cardijn College Marcellin Campus
Corner of Mander and Beach Roads,
CHRISTIE DOWNS SA 5164

Training Guarantee for SACE Students (TGSS)

The MEM20105 Certificate II in Engineering is supported by the Government of South Australia and is available for eligible Training Guarantee for SACE Students. Students will need to pay some incidental fees for personal items such as tools, clothing or other training materials. To be eligible for the Training Guarantee, you must be:

- Either an Australian citizen, an Australian Permanent Resident, a New Zealand citizen living in South Australia, or an eligible Visa holder.
- 16 years or over, and enrolled in SACE (or equivalent) at school and already completing, or have completed, VET or work placement that is related to your pathway.

Eligibility criteria apply, please check here:

<http://www.skills.sa.gov.au/training-learning/check-your-eligibility>

To check criteria for the Subsidised Training List, please visit:
<http://www.skills.sa.gov.au/for-training-providers/workready-subsidies/subsidised-training-list>