

YEAR LEVEL 12

COURSE CONTACTS Carlee Stewart

LECTURER TAFE SA

COURSE LENGTH Semester 1

SACE CREDITS Speak to your VET Coordinator about SACE Stage 2 credits

COURSE STRUCTURE

One full day per week (day to be negotiated)

COURSE OUTLINE

This course is intended for students who have completed Certificate II Engineering Pathways and would like to continue on with additional Engineering units. The units completed will equip students with knowledge and skills which will enhance their prospects of employment in an engineering or related working environment

SELECTION CRITERIA

Student must have completed Certificate II Engineering Pathways.

Students meeting selection criteria will need to complete a Unity College Trade Skills Centre Enrolment Form.

Please note that this course is dependent on students numbers and may be combined with the 2026 Certificate II Engineering Pathways Course.

COMPETENCIES

NUMBER	NAME	PRE-REQUISITES
MEM12024	Perform computations	MEM13015, MEM16006,
MEM12023	Perform Engineering measurement	MEM13015, MEM16006,
MEM09002	Interpret Engineering drawing	MEM13015, MEM16006, MEM12023, MEM12024
MEM05050	Perform routine Gas Metal Arc Welding (MIG)	MEM13015, MEM16006, MEM11011
MEM05049	Perform routine gas Tungsten Arc welding (TIG)	MEM13015, MEM16006, MEM11011
MEM05006	Perform Brazing and /or silver soldering	MEM13015, MEM16006, MEM11011

FROM CERTIFICATE III ENGINEERING TECHNICAL (ADVANCED ENGINEERING SKILL SET)

NUMBER	NAME	PRE-REQUISITES
MEM30012	Apply mathematical Techniques in a manufacturing, engineering or related environment	Nil
MEM30031	Operate computer aided design (CAD) system to produce basic drawing elements	Nil
MEM09229	Read and Interpret technical engineering drawings	Nil

COST

The course cost is approx. \$1350 (depending on the number of units the student is enrolled in). An additional \$100 Unity College TSC Administration Fee will be invoiced to all students in Term 1, 2026.

UNIFORM

Safety glasses, safety boots (steel toed), cotton press long sleeved shirt and cotton press navy work pants (long) must be worn at all times in the workshop area. Students may provide their own boots and pants.

PATHWAYS

Certificate III Engineering (needs to be completed under an Apprenticeship), Fabrication, Boilermaker, Sheet Metal Worker, Mining Industries and other trade related careers.