

## YEAR LEVEL 11

**COURSE CONTACTS** Carlee Stewart | Jasmine Barolo

**LECTURER** TAFE SA

**COURSE LENGTH** Full Year

**SACE CREDITS** 50 MIN (60 MAX) Stage 1

## QUALIFICATION

MEM20422 Certificate II in Engineering Pathways - Manufacturing and Welding

## COURSE STRUCTURE

One day per week over 35 weeks

## COURSE OUTLINE

This qualification is intended for people interested in exposure to an engineering or related working environment, with a view to entering into employment in that area. This qualification will equip graduates with knowledge and skills which will enhance their prospects of employment in an engineering or related working environment.

There are 12 competencies covering a range of engineering subjects including fabrication, machining, welding, using tools and equipment, assembling engineering mechanisms and career development. The course finishes with students undertaking a group engineering project.

## COURSE STRUCTURE

This VET course will run one day per week and students will also have course homework. Students will be absent during subject lessons and will need to make a commitment to catching up on schoolwork missed. The course will commence Week 2, Term 1, 2027.

## 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.

## WORKPLACE LEARNING

Students are encouraged to complete Workplace Learning during their course. Students can complete these hours during school holidays.

## COST

More information will be provided at Course Counselling on the VET Readiness Orientation (VETRO) subsidy and to check eligibility. The course fee is approx. \$290 for students meeting the eligibility requirements of VETRO. A \$100 Unity College TSC administration fee will be invoiced to all students in Term 1, 2027 together with a resources cost of approx. \$30 (includes MIG Welding gloves and safety glasses).

## COMPETENCIES

| CORE                                  |                                                                        |
|---------------------------------------|------------------------------------------------------------------------|
| MEMPE005                              | Develop a career plan for the engineering and manufacturing industries |
| MEM16008                              | Interact with computing technology                                     |
| MEM16006                              | Organise and communicate information                                   |
| MSMENV272                             | Participate in environmentally sustainable work practices              |
| MEMPE006                              | Undertake a basic engineering project                                  |
| MEM11011                              | Undertake manual handling                                              |
| MEM18001                              | Use hand tools                                                         |
| MEM18002                              | Use power tools / hand held operations                                 |
| MEMPE002                              | Use electric welding machines                                          |
| MEMPE004                              | Use fabrication equipment                                              |
| MEM13015                              | Work safely and effectively in manufacturing and engineering           |
| ELECTIVES (ONE OF THE FOLLOWING ONLY) |                                                                        |
| MEMPE001                              | Use engineering workshop machines                                      |
| MEMPE007                              | Pull apart and reassemble engineering mechanisms                       |

## PATHWAYS

- + Certificate III Engineering (needs to be completed under an Apprenticeship), other trade related careers.