

**Program Name:** ENGINEERING

**Host School:** Charles Campbell College

**National Qualification:** Certificate II in Engineering Pathways (Partial)

**Code:** MEM20413

**RTO Code:** 40053



**Program Description:** Certificate II in Engineering Pathways is a pre-apprenticeship course which will provide individuals with a foundation of competencies in a range of engineering skills such as basic machining, fabrication, and use of hand and power tools. You will learn a range of training in, but not limited to: plan to undertake a routine task, apply quality procedures, and work with others in a manufacturing, engineering or related environment.

The course will continue into a second year whereby students can complete their Certificate II in Engineering Pathways and commence their Certificate III in Engineering – Fabrication MEM 30305

**Pathway:** This course will enhance your entry-level employment prospects into apprenticeships and traineeships. Career possibilities may include metal engineering process worker and metal trades assistant.

**SACE Credits:** Stage 1, 40 credits (First Year)  
Stage 1, 20 credits, Stage 2, 20 credits (Second Year)

**Course Length:** 1 Year (39 weeks) for Partial Cert II  
2 Years for Full Cert II and Partial Cert III in Engineering – Fabrication.

**Training Day & Time:** Week 3, Term 1 to Week 4, Term 4 – Thursdays, 8:30am – 4:00pm  
Week 4 to Week 8, Term 4 – Monday to Friday, 8:30am – 4:00pm

**Commencement Date:** Week 3, Term 1 2018

**Special Requirements:** Allowance should be made for additional study time. Access to internet is required as some assessment is online.

**Program Cost (per student):** TGSS – Materials Fee only \$200 per year  
Fee for Service - \$2500 per year + \$200 materials fee per year

**Location:** Charles Campbell College, 3 Campbell Road, Paradise SA 5074  
Catch any bus from the city to the Paradise Interchange. From the interchange catch any busy travelling along Darly Road including 174, 176 or 177, stopping at the Newton Shopping Centre.

**Program Provider Contact:** Mr Andrew Fleming Ph: (08) 8165 4700

**Program Content:**

Code	Name	Nominal Hours
<b>YEAR 1</b>		
MEM13014A	Apply principles of occupational health and safety in an engineering or related environment	10
MEMPE005A	Develop a career plan for the engineering and manufacturing industry	20
MSAENV272B	Participate in environmentally sustainable work practices	30
MEMPE002A	Use electric welding machines	40
MEM18001C	Use hand tools	20
MEM18002B	Use power tools/hand held operations	20
MEMPE006A	Undertake a basic engineering project	80
MEMPE001A	Use engineering workshop machines	60
<b>Year 1 Nominal Hours</b>		<b>280</b>

<b>YEAR 2</b>		
MEM12023A	Perform engineering measurements	30
MEM12024A	Perform computations	30
MEM11011B	Undertake manual handling	20
MEMPE004A	Use fabrication equipment	40
MEM05012C	Perform routine manual metal arc welding	20
MEM05050B	Perform routine gas metal arc welding	20
MEM14005A	Plan a complete activity	20
MEMPE003A	Use oxy-acetylene and soldering equipment	40
MEM16008A	Interact with computing technology	20
MEM16006A	Organise and communicate information	20
MSAPMSUP106A	Work in a team	
	<b>Year 2 Nominal Hours</b>	<b>290</b>
	<b>Total Nominal Hours</b>	<b>570</b>

**Work Placement Requirements:** N/A

**Class Size:** 12 - 18

**PLEASE NOTE** – Courses are subject to change without notice. Parents, Students and VET Coordinators are strongly advised to confirm course details with host schools.

