CERTIFICATE II IN ENGINEERING PATHWAYS
MEM20422

ABOUT THE COURSE

This Certificate II in Engineering Pathways is a Flexible Industry Pathway (FIP) and is partially funded by the South Australian Government. The qualification covers fabrication and machining, to introduce students to the specialised engineering fields of work, including fabrication, machining, sheet metal and manufacturing processes. In this pre-apprenticeship course, you will explore future options within the diverse engineering and manufacturing sector.

COURSE LENGTH

1 Year - Commencement date week starting 03/02/25. Training consists of 35 x weekly sessions from 8.30 until 15.00. This course will be offered on Monday, Tuesday, Wednesday, and Thursday *TBC. Students will be expected to attend ALL programmed training sessions regardless of home school events.

TRAINING FORMAT

All training is delivered at the Western Technical College by our dedicated team of TAFE SA Lecturers, combined with our state-of-the-art facilities to create a stimulating and supportive adult learning environment.

PATHWAYS

Students will gain skills appropriate to numerous fields of work within the Engineering and Manufacturing Industry. Successful completion of this qualification will prepare students to transition to work through an Australian School Based Apprenticeship (ASBA) or fully indentured apprenticeship, including:

-    Certificate III in Engineering - Mechanical Trade
-    Certificate III in Engineering - Fabrication Trade
-    Certificate III in Engineering - Technical

This course is also a prerequisite for Stackable VET, Advanced Skills Clusters designed for Year 12 Students on offer at the Western Technical College.
For more information see Stackable VET course information.

INDUSTRY CONNECTIONS

This Engineering qualification is supported by key industry stakeholders who provide WTC students with industry engagement and employment opportunities.

SACE DETAILS

SACE Stage 1, 55 SACE credits.
Successful completion of this qualification amounts to 410 nominal hours.
*Nominal hours are used for SACE purposes and are not reflective of actual delivery hours.

COURSE DETAILS

National Code	Unit Name	*HRS
	CORE	
MEM13015	Work safely and effectively in manufacturing and engineering	40
MEMPE005	Develop a career plan for the engineering and manufacturing industries	20
MEMPE006	Undertake a basic engineering project	80
MSMENV272	Participate in environmentally sustainable work practices	30
	ELECTIVE	
MEM11011	Undertake manual handling	20
MEM16006	Organise and communicate information	20
MEM16008	Interact with computing technology	20
MEM18001	Use hand tools	20
MEM18002	Use power tools/handheld operations	20
MEMPE002	Use electric welding machines	40
MEMPE004	Use fabrication equipment	40
MEMPE001	Use engineering workshop machines	60

Course requires 4 core and 8 elective units.

RECOMMENDATION

It is recommended that students do not have a full study load at school if they wish to also study a Nationally Accredited Qualification.

COURSE LOCATION

Western Technical College is located at 44 Russell Street, Rosewater.
Serviced by public transport (Bus and Train).
Bus Stop 34 on Newcastle Street, Rosewater or Alberton Train Station (a 4-minute walk).
Check Adelaide Metro for times and routes.

WESTERN TECHNICAL COLLEGE

ENGINEERING

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COURSE REQUIREMENTS

Students are to provide their own:

- Personal Electronic Device / Computer (BYOD)
- Navey cotton drill work pants (FXD or similar)
- Steel cap boots - Black or camel colour.
- Security combination lock

FEES AND CHARGES

RTO FEE – GST EXEMPT

$246 *TBC

This course is listed as a Flexible Industry Pathway (FIP) and attracts a co-contribution amount of 60 cents per nominal hour.

STUDENT MANAGEMENT FEE – GST EXEMPT

$350

This is a student management and support fee providing students and home schools with access to services provided by Western Technical College during the day of release from their home school for Vocational Education and Training (VET). This fee is supplementary to RTO training costs or Flexible Industry Pathway co-contribution. Students may be eligible for a cost offset to cover some or all of this amount. Please check the level of cost offset that your home school provides.

PPE/UNIFORM FEE – GST INCLUSIVE

$407.00

Western Technical College (WTC) will supply the following approved WTC branded uniform and PPE:

- High vis long sleeve cotton work shirt
- High vis jumper
- Safety glasses
- Hearing protection
- Welding helmet
- Welding jacket
- Welding gloves
- Duffel bag

These WTC approved items ensure compliance with safety and uniform standards.

COST NOTES

Home schools will be invoiced for the total cost per student enrolment. Calculation of rebates is an arrangement between the student and their home school. Home schools must submit a completed Memorandum of Agreement each year prior to enrolling students at Western Technical College as a binding financial contract.

ENROLMENT PROCESS

The application process for school enrolled students intending on studying a VET Course at WTC requires:

Part 1 - The submission of an Expression of Interest (EOI) through the Western Technical College website: https://www.wtc.sa.edu.au/enrol/expression-of-interest-form

Part 2 – The submission of a School Enrolled Student Referral to VET Form through the Skills SA portal: Training Provider Centre | School Student Referral to VET Form (skills.sa.gov.au)

Students are encouraged to seek the support of their schools VET Leader through this process.

ENTRY REQUIREMENTS

Successful completion of the VETRO process through demonstration of literacy and numeracy requirements and other eligibility criteria as outlined by the South Australian Government.

ORIENTATION DETAILS

Students will be notified by Letter of Acceptance distributed through their home school. Details of the first attendance day will be contained in this letter. A full orientation will take place at the first session. This will include a comprehensive Site Induction and TAFESA Student Induction.

CONTACT PERSON

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