

CERTIFICATE II Engineering Pathways

MEM20413

QCE Credits	Up to 4
Availability	Year 11/12.
Delivery Location	On-Campus, Granite Belt and Border College of Trades.
Registered Training Organisation	Stanthorpe State High School.
Duration	2 years/4 semesters including Certificate I Engineering.
Units Of Competency	12
Third Party Arrangement	Nil.
Vocational Placement	Nil required however it is highly recommended that students participate in work experience.
Resource Requirements	A laptop that meets school minimum specifications. Personal protection equipment including steel capped boots and navy drill cotton workwear are essential.
Cost	See the schedule of fees for costs in addition to the standard school fees.
Additional or Supplementary Opportunities	Work experience.

These entry level qualifications provide a pre-apprenticeship program for those wanting to enter the engineering industry. Topics covered in these subjects include basic welding, basic fabrication, heating and cutting and use of engineering workshop equipment. In these qualifications students will learn in a simulated working environment. This means starting on time, setting goals, achieving work in a given time-frame and working as part of a team. This subject will develop the skills and knowledge required to progress to studies in Certificate II in Engineering.

Certificate II in Engineering Pathways - MEM20413	
MEM13014A	Apply principles of occupational health and safety in the work environment
MEMPE005A	Develop a career plan for the engineering and manufacturing industry
MEMPE006A	Undertake a basic engineering project
MSAENV272B	Participate in environmentally sustainable work practices
MEM16008	Interact with computing technology
MEM18001	Use hand tools
MEM18002	Use power tools/hand held operations
MEMPE001A	Use engineering workshop machines
MEMPE002A	Use electric welding machines
MEMPE003A	Use oxy-acetylene and soldering equipment
MEMPE004A	Use fabrication equipment
MSAPMSUP106	Work in a team

CERTIFICATE I Engineering

MEM10119

QCE Credits	Up to 3
Availability	Year 11/12.
Delivery Location	On-Campus, Granite Belt and Border College of Trades.
Registered Training Organisation	Stanthorpe State High School.
Duration	2 years/4 semesters including Certificate II Engineering Pathways.
Units Of Competency	7
Third Party Arrangement	Nil.
Vocational Placement	Nil required however it is highly recommended that students participate in work experience.
Resource Requirements	A laptop that meets school minimum specifications. Personal protection equipment including steel capped boots and navy drill cotton workwear are essential.
Cost	See the schedule of fees for costs in addition to the standard school fees.
Additional or Supplementary Opportunities	Certificate II Engineering Pathways.

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Certificate I in Engineering - MEM10119	
MEM03001	Perform manual production assembly
MEM05013	Perform manual production welding
MEM07032	Use workshop machines for basic operations
MEM11011	Undertake manual handling
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information
MEM12023A	Perform engineering measurements