

CERTIFICATE I in Engineering

MEM10119

QCE Credits	2
Availability	Year 10
Delivery Location	Stanthorpe State High School.
Registered Training Organisation	Stanthorpe State High School.
Duration	2 years/4 semesters including Certificate II Engineering Pathways.
Units Of Competency	8
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.

This entry level qualifications provides a pre-apprenticeship program for those wanting to enter the engineering industry. Topics covered in these subject includes basic welding, basic fabrication, heating and cutting and use of engineering workshop equipment. In this 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 I in Engineering - MEM10119	Unit Type
MEM13015 — Work safely and effectively in manufacturing and engineering	Core
MEM03001 — Perform manual production assembly	Elective
MEM05013 — Perform manual production welding	Elective
MEM07032 — Use workshop machines for basic operations	Elective
MEM11011 — Undertake manual handling	Elective
MEM12023 — Perform engineering measurements	Elective
MEM16006 — Organise and communicate information	Elective
MEM18001 — Use hand tools	Elective