



<b>DURATION OF SUBJECT</b>	FULL YEAR	<b>FINANCIAL COMMITMENT</b>	NIL
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### COURSE OVERVIEW

Engineering focuses on the underpinning industry practices and production processes required to create, maintain and repair predominantly metal products in the engineering manufacturing industry.

Students understand industry practices, interpret specifications, including technical information and drawings, demonstrate and apply safe and practical production processes with hand/power tools and machinery, communicate using oral, written and graphical modes, organise, calculate and plan production processes and evaluate the products they create using predefined specifications.

Students develop transferable skills by engaging in manufacturing tasks that relate to business and industry, and that promote adaptable, competent, self-motivated and safe individuals who can work with colleagues to solve problems and complete practical work.

### COURSE CONTENT

UNIT 1	UNIT 2	UNIT 3	UNIT 4
The Engineering industry – Introduction to safety, production and product quality	Communication and teamwork in an engineering enterprise	Welding and fabrication enterprise	Working cooperatively in engineering workplaces
ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Esky	Chest of Draws	Sash Cramp	BBQ Tool

### COURSE REQUIREMENTS

Students are required to complete four (4) units of work throughout the year.

Safety is a major component of all activities in the course, which requires appropriate safety equipment to be used at all times (determined by the activity). Safety glasses are provided for the student to use. Black leather shoes (as per Student Handbook) are required.

### CAREER PATHWAYS

A course of study in Engineering can establish a basis for further education and employment in engineering trades.

With additional training and experience, potential employment opportunities may be found, for example, as a sheet metal worker, metal fabricator, welder, maintenance fitter, metal machinist, locksmith, air-conditioning mechanic, refrigeration mechanic, or automotive mechanic.

### INTERNET LINKS

- | [Construction Skills Queensland](#)
- | [Ai Group - Apprenticeships and Traineeships](#)
- | [Housing Industry Australia](#)

