

INCOMPATIBLE SUBJECTS	NIL	DEPENDENT SUBJECTS	NIL
PRE REQUISITE SUBJECTS	Industrial Technology experience preferred	POTENTIAL QCE POINTS	4
FINANCIAL COMMITMENT	NIL	CONTRIBUTES TO ATAR Only 1 Applied subject will contribute to an ATAR, if studied with 4 General subjects.	YES

COURSE OVERVIEW

Engineering Skills 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
Project Sheet Metal Glasses Case Production Journal	Project G Clamp Production Journal	Project Metal Brazier Production Journal	Project Portable BBQ Production Journal
Practical Demonstration Engineers Square	Practical Demonstration Metal Hose Reel Holder	Practical demonstration Sheet metal tool box	Practical demonstration Sheet metal camping box

COURSE REQUIREMENTS

Unit 1 and Unit 2 contribute one (1) QCE point each for successful completion, and Units 3 and 4 contribute two (2) QCE points for successful completion of both combined. 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).

CAREER PATHWAYS

A course of study in Engineering Skills 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](#)

REAL PEOPLE TALKING ABOUT DESIGN AND TECHNOLOGY

