

<b>Subject name</b>	<b>Engineering Skills</b>
<b>Subject code</b>	ESK
<b>Subject type</b>	Applied
<b>Subject fee</b>	\$110
<b>Prerequisites</b>	Nil

### 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 outline

The Engineering Skills course is designed around four elective topics.

Year 11	Year 12
1. Unit option A: Fitting and machining 2. Unit option B: Welding and fabrication	3. Unit option C: Sheet metal working 4. Unit option D: Production in the manufacturing engineering industry

### Assessment

Year 11	Year 12
Unit 1 <ul style="list-style-type: none"> <li>Practical Demonstration - Multimodal</li> <li>Project – Multimodal</li> </ul> Unit 2 <ul style="list-style-type: none"> <li>Practical Demonstration – Multimodal</li> <li>Project - Multimodal</li> </ul>	Unit 3 <ul style="list-style-type: none"> <li>Practical Demonstration - Multimodal</li> <li>Project - Multimodal</li> </ul> Unit 4 <ul style="list-style-type: none"> <li>Practical Demonstration – Multimodal</li> <li>Project - Multimodal</li> </ul>

### Course accreditation

QCAA Applied subject **not** contributing to an ATAR score.

### Career opportunities:

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