

# Certificate II Engineering Pathways

## Competencies

Apply principles of occupational health and safety  
in the work environment

Organise and communicate information

Use hand tools

Use power tools/hand held operations

Use engineering workshop machines

Use electric welding machines

Use oxy-acetylene and soldering equipment

Use fabrication equipment

Develop a career plan for the engineering and  
manufacturing industry

Undertake a basic engineering project

Interact with computing technology

Participate in environmentally sustainable work  
practices



# Certificate II in Engineering Pathways



Industrial Technology





## Certificate II in Engineering Pathways

This school-based program is designed to give students an introduction to an engineering or related working environment. Students will gain skills and knowledge in the areas of engineering industry. It will increase your employability skills in the engineering industry and it will introduce you to the engineering trade and provide you with basic skills to operate tools and equipment to produce and modify objects.



### Career Pathways

Career pathways and opportunities in the engineering industries include

- Design, Engineering, Science And Transport Professionals
- Fitter And Turner
- Technicians And Trades Workers
- Metal Fabricator
- Machinist
- Apprenticeship - Engineering Trade
- Diesel fitter
- Moulder
- Sheet metal worker
- Technical officer

### Queensland Certificate of Education

A Certificate II in Engineering Pathways will give you 4 QCE points.

### Further Study options

- Certificate III (apprenticeship) in a specialist manufacturing or engineering area of the student's choice
- Certificate IV and Diploma level engineering study
- Students may receive credit for relevant competencies towards a related apprenticeship

### Prerequisites

There are no prerequisites required to choose this subject.



*If you need more information please contact Neil Davissen at the College*