

# Young Engineers Program

-Supported by Ford Australia-

## 22470VIC Certificate II in Engineering Studies (Delivery Site: Geelong Industry Trade Training Centre)

Geelong Industry Trade Training Centre invites applications from students with a keen interest in automotive engineering.

# Young Engineers Program

### DO YOU ...

- Think about a career in the automotive engineering and design industry?
- Have good problem solving skills?
- Have good practical skills?
- Enjoy working in a team?
- Have a desire to learn about current engineering and design practice?

### COURSE OVERVIEW

The certificate course provides the basic knowledge of practical skills at an entry level necessary to work effectively in the automotive engineering and design environment. Students will study basic engineering and design with an automotive focus.

**Ford Australia will support the course with the provision of class resources and the opportunity for students to visit Ford sites.**

### ENROLMENT PREREQUISITES

Students must be currently enrolled at a senior secondary college. Students should be VCE enrolled and have a keen interest in the automotive industry and be supported by good literacy and numeracy levels. Year 10 students with a solid academic record will be considered. VCAL students aspiring to working the automotive field will be assessed on interview and/or school reference

### OUTCOMES

- Completion of a Certificate II in Engineering
- Equivalency to VCE Units 1, 2, 3, and 4
- A study score contributing towards your ATAR results.
- A unique insight into Ford Australia's engineering processes.
- Gain valuable work skills in an industry work place.

### PATHWAYS

There are many broad career opportunities for students who have completed a VET Engineering Certificate, although this course has a strong automotive focus

**TAFE:** for certificate level courses

**University:** when combined with your VCE ATAR. Degree and Diploma courses available through most universities.

**VET Engineering is approximately 40% theory and 60% practical**

Further information: home school VET Coordinator or  
at GITTC Bryan Timms Indiana Avenue, Corio, 3214 Telephone (03) 52249700  
[timms.bryan.g@edumail.vic.gov.au](mailto:timms.bryan.g@edumail.vic.gov.au) Applications only via your home school

NBC recognises the AQF qualifications and Statement of Attainments issued by other Registered Training Organisations.

**RTO: Northern Bay P-12 College**

**RTO#: 22518**

**2022 Delivery\***

**22470VIC Certificate II in Engineering**

**First Year Delivery (VCE Units 1 and 2)**

- MEM13014A Apply principles of Occupational Health & Safety in work environment
- MEM18001C Use hand tools
- VU22329 Report on a range of sectors in the manufacturing, engineering and related industries
- VU22330 Select and interpret drawings and prepare three dimensional (3D) sketches and drawings
- VU22331 Perform basic machining processes
- VU22332 Apply basic fabrication techniques
- MEM18002B Use power tools/hand held operations
- VU22339 Create engineering drawings using computer aided systems

**Second Year Delivery (VCE Units 3 and 4)**

- MEMPE006A Undertake a basic engineering project
- VU22333 Perform intermediate engineering computations
- VU22334 Produce basic engineering components and products using fabrication and machining operations

\*Course delivery details subject to change

Queries regarding any fees payable for this course should be directed to the VET Coordinator at your home school.