

20 August 2024

MEM20422 - CERTIFICATE II IN ENGINEERING PATHWAYS

Dear Parents/Carers,

The Certificate II in Engineering Pathways course is open to students in Year 10, 11 and 12 in 2025 in addition to their regular school studies. This course has been developed by Skills Generation (RTO 41008) and is facilitated by the College using a full suite of resources provided by Skills Generation that includes all learning and assessment materials. Please refer to the attached brochure that provides further information about the course.

Students will be required to attend sessions outside of their regular school timetable. Sessions will be Tuesday and Thursday before school from 7:30am to 8:20am. Students can earn up to 4 QCE credits on successful completion of this course.

For students to access this course for free, they can utilise their VETiS funding. VETiS funding is provided by the Department of Employment, Small Business, and Training (DESBT) and covers the cost of **ONE** VETiS qualification listed on the Priority Skills List while the student is in Years 10, 11 or 12. If your child uses this funding for this course, they will not be eligible to access VETiS funding for any future courses. If your child wishes to pursue additional qualifications while still in school, they may be eligible for alternative funding options such as User Choice, Higher Level Skills, or the Certificate 3 Guarantee. Alternatively, they can enrol in a "Fee For Service" course. If you would like to discuss the implications of using VETiS funding, please contact our Career, Pathways, and VET Coordinator, Mrs. Emma Fletcher, at emma.fletcher@calvarycc.qld.edu.au.

If you wish to enrol your child in this course, please attend to the following by no later than **Friday 13 September:**

1. Email me at paul.heagney@calvarycc.qld.edu.au to indicate your intent to enrol your child in the course.
2. Complete the Skills Generation online enrolment form, selecting 'MEM20422 Certificate II in Engineering Pathways' as the course:
<https://skillsgeneration.assessapp.com/webforms/32647/new>

Please do not hesitate to contact me if you have any questions.

Sincerely,



Mr Paul Heagney
Certificate II in Engineering Pathways Teacher



Mr Josh Wilson
Head of Middle and Senior School



Certificate II in Engineering Pathways

BUILD A DRONE PROJECT!

Skills Generation's MEM20422 Certificate II in Engineering Pathways is a forward-thinking VET qualification that aims to educate students about emerging and continually evolving technologies. Skills Generation focuses on the future, and preparing students for the changing landscape of work in the engineering and manufacturing fields.

Our MEM20422 qualification introduces students to the foundations of engineering and manufacturing, including hands-on training in the correct use of hand and power tools, proper welding techniques, and understanding of proper use of PPE. Students then apply this foundation knowledge in a variety of engaging and practical projects including the major project: the building of their own drone.

VETiS funding is available for eligible students and students can achieve up to **4 QCE credits** on successful completion of the course.



Career and Study Pathways

FUTURE CAREERS

Successful completion of this qualification prepares students with skills for entry-level employment, apprenticeships and traineeships in a diverse range of engineering-related workplaces. Skills gained in this course are highly desired by employers in industries where significant employment opportunities and workforce growth are forecast eg. Construction and related Trades, Engineering, Automotive, Mining, Manufacturing

FUTURE STUDY

Skills Generation is dedicated to skilling students for their future. On completion of MEM20422 students can further expand their future-tech skills with Skills Generation Certificate II and III courses available in Aviation and Information Technology. Additional Certificate courses can enable students to accumulate further QCE credits and provide a pathway to continuing study in higher level qualifications.

Features and Benefits of Learning with Skills Generation

- Experienced trainers with active industry networks
- VETiS funding for eligible students
- Nationally recognised qualification
- User friendly online platform
- A learning pathway to higher level qualifications
- Complete in 12 months or less

Committed to supporting your success

What You Will Study:

Core Units

- **MEM13015**
Work safely and effectively in manufacturing and engineering
- **MEMPE005**
Develop a career plan for the engineering and manufacturing industries
- **MEMPE006**
Undertake a basic engineering project
- **MSMENV272**
Participate in environmentally sustainable work practices

Elective Units

- **MEM16006**
Organise and communicate information
(Pre-Requisite: MEM13015)
- **MEM16008**
Interact with computing technology
(Pre-Requisite: MEM13015 and MEM16006)
- **MEM11011**
Undertake manual handling
(Pre-Requisite: MEM13015 and MEM16006)
- **MEM18001**
Use hand tools
(Pre-Requisite: MEM13015, MEM11011 and MEM16006)
- **MEM18002**
Use power tools/hand held operations
(Pre-Requisite: MEM13015, MEM11011 and MEM16006)
- **MEMPE001**
Use engineering workshop machines
- **MEMPE002**
Use electric welding machines
- **MSMSUP106**
Work in a team

Important Information for Schools

- Available to Senior Students enrolled in Secondary School in Years 10-12
- Students need access to a computer, a reliable internet connection and capacity for video call meetings
- Students in this course will participate in the Build a Drone Project
- Delivery of MEM20422 is face-to-face at the school and will be included in the students timetable. The course is designed for students to complete the Certificate II in Engineering Pathways as part of their senior curriculum
- Training and assessment will be delivered by Skills Generation or by the school in partnership with Skills Generation. The qualification is awarded by Skills Generation (RTO 41008)

New Opportunity for Teachers

Training your students in VET qualifications has just become easier - No TAE Required!

New regulations allow eligible registered teachers who hold an education degree to train VET qualifications under supervision - No TAE is needed. Skills Generation supports our partnering schools and teachers to take advantage of this exciting development offering a valuable professional development opportunity for teachers, and supporting schools to increase training choices for their students. Skills Generation will assist with meeting supervision arrangements, and support upskilling or reskilling of teachers in the Skills Generations VET qualifications that are taught by teachers at the school. **Contact us for details and to learn more about this exciting opportunity!**

Assessment Methods

- The course contains both theory and practical assessments on a unit-by-unit basis
- Theory assessments are open book, comprising multiple choice and short answer questions

Payment Options

- VETiS funding available for eligible students
- Fee for Service options are available, please contact the Skills Generation Schools Team for more information

QCE Credits

- Students may be eligible for up to 4 QCE Credits on the successful completion of MEM20422
- School VET / Careers Coordinators can assist students to check QCE credit eligibility with QCAA as each individual student's circumstances may impact the number of QCE credits they can earn

Contact Us