my industry training

Certificate II in Engineering Pathways

MEM20422

COURSE OUTLINE

- LEARN
- ADAPT
- SUCCEED
- REAL CAREER PATHWAYS



www.myindustrytraining.com.au

COURSE OUTLINE: MEM20422 - Certificate II in Engineering Pathways

Dear Student, Parent/Guardian,

Welcome to My Industry Training!

Thank you for choosing to undertake your training with us. This course outline provides important information about your qualification, including what you will learn, how your training will be delivered and assessed and the opportunities available upon completion.

Please read this course outline and the Student Handbook before commencing your training, as both documents contain important information to support your learning journey.

01 / DISCOVER YOUR COURSE

What will you learn?

MEM20422 Certificate II in Engineering Pathways introduces students to the engineering and manufacturing industries and provides the opportunity to develop practical skills used across a range of engineering trades.

Throughout the course, students will gain hands-on experience using hand tools, power tools, fabrication equipment, welding equipment and engineering workshop machinery while developing safe work practices. Students will also develop essential skills in workplace safety, communication, measurements and basic engineering techniques through practical projects.

This qualification provides a foundation for further training, employment and future apprenticeship opportunities within the engineering and manufacturing industries.

02 / YOUR OUTCOMES

What can you achieve?

On successful completion of the course, students can achieve:

- **Nationally Recognised Qualification:** MEM20422 Certificate II in Engineering Pathways.
- **4 QCE Points:** Contribute four (4) credits towards the Queensland Certificate of Education.
- **Practical Engineering Skills:** Develop hands-on experience using engineering tools, equipment and fabrication processes.
- **Future Career Pathways:** Opportunities for employment and further industry training.

PLEASE NOTE: *QCE credits, funding and other outcomes must be checked against the current requirements for each course and student.*

03 / HOW YOU WILL LEARN

A mix of hands-on and theory-based learning

Students complete a combination of practical coaching activities and theoretical learning throughout the course.

Training is designed to develop industry-relevant skills in a supportive environment, with practical activities involving engineering tools, workshop equipment, fabrication processes and project-based learning.

01: LEARN – Develop your knowledge

Learn about workplace safety, engineering practices, tools, equipment and the skills required to work in manufacturing and engineering.

02: PRACTISE – Build your practical skills

Use engineering tools and equipment to develop hands-on skills through fabrication, welding and practical engineering projects.

03: COMPLETE – Demonstrate your competency

Complete practical and theory-based assessments to demonstrate the skills and knowledge required for each unit of competency.

04: PROGRESS – Work towards your qualification

Successfully complete all required units of competency to achieve your nationally recognised qualification and explore future engineering pathways.

04 / ASSESSMENT

How assessment works

Students will complete a combination of practical and theory-based assessments throughout the course.

Practical assessments involve using engineering tools, equipment and materials to complete workshop activities and engineering projects. Theory activities assess students' understanding of workplace safety, engineering processes and industry requirements.

Students must demonstrate safe work practices and practical skills through supervised engineering activities.

All assessments are completed with trainer guidance and support.

Units of competency

MEM20422 Certificate II in Engineering Pathways consists of 12 units of competency, including 4 core units and 8 elective units.

- **MEM13015** Work safely and effectively in manufacturing and engineering
- **MSMENV272** Participate in environmentally sustainable work practices
- **MEMPE005** Develop a career plan for the engineering and manufacturing industries
- **MEMPE006** Undertake a basic engineering project
- **MEM16006** Organise and communicate information
- **MEM11011** Undertake manual handling
- **MEM18001** Use hand tools
- **MEM18002** Use power tools/hand held operations
- **MEMPE004** Use fabrication equipment
- **MEMPE002** Use electric welding machines
- **MEMPE001** Use engineering workshop machines
- **MEMPE003** Use oxy-acetylene and soldering equipment

Funding Eligibility

Fee-for-service pricing arranged with your school.

Course fees for MEM20422 are negotiated directly with each school and may vary depending on student numbers and delivery requirements. Your school will confirm fees and payment arrangements before enrolment.

ENTRY REQUIREMENTS
Basic English skills, internet access, a valid USI and appropriate identification.

WHAT TO BRING
A registered trainer will provide all required equipment, tools & PPE.

STUDENT SUPPORT
Additional support is available. Contact our team to discuss your individual needs.

YOUR ENROLMENT CHECKLIST

- Read this course outline and the Student Handbook
- Check course suitability and funding eligibility
- Complete the enrolment form providing all required information
- Ensure you have a valid Unique Student Identifier (USI)
- Contact our team if you need additional learning support