



**Mackay Engineering
College**

MACKAY ENGINEERING COLLEGE ENROLMENT INFORMATION

Applications are now open for students currently in Year 10 or above who wish to enrol at the Mackay Engineering College in 2020.

Overview: The Mackay Engineering College (MEC) is an industry standard facility developed in conjunction with the six state high schools in the Mackay Region. The MEC provides entry level career pathways into the engineering, manufacturing, electrical and automotive industries. Students attend MEC one day per week in conjunction with their school studies.

What does the MEC Offer?

- Certificate II qualifications in:
 - MEM20413—Certificate II in Engineering—Pathways
 - UEE22011—Certificate II in Electro-technology (Career Start)
 - AUR20716—Certificate II in Automotive Vocational Preparation
- Industry standard work shop, machinery and training rooms.
- Industry current trainers
- A strong focus on safety
- Strong links with local industry and businesses.
- Structured work placement
- Assistance for students to be work ready (skills audit, resume, mock interview workshops).



How to apply:

Download and complete an application package from the MEC website (www.mec.eq.edu.au) and hand it to your school's Head of Department of IT&D by the 20th of September 2019.

Successful applicants will be notified via an acceptance letter early in November 2019.

If you would like more information please contact the MEC by calling 4898 0333.



MEM20413 Certificate II in Engineering Pathways

This course provides students with a range of introductory vocational skills for in a variety of engineering and manufacturing environments. Students will have an array of opportunities to enhance their work readiness in an applied learning environment which may assist in securing an apprenticeship.

Course Duration:	2 school years (1 day per week or flexi-program)
Work Experience:	Minimum 50 days over 2 years
Uniform:	MEC Hi-vis shirt, jeans, steel capped boots
Cost:	Materials and Work Placement fees \$335.00 per/year
Register:	Contact the relevant person at your school, download and complete a MEC application
Eligibility:	Year 11 students who met the government eligibility criteria

This is a Vocational Education and Training in Schools (VETiS) Program funded by the Queensland Government.

COURSE COMPETENCIES	
Units to be completed	
MEM13014A	Apply principles of occupational health and safety in the work environment
MEMPE005A	Develop a career plan for the engineering and manufacturing industry
MEMPE006A	Undertake a basic engineering project
MSAENV272B	Participate in environmentally sustainable work practices
MEM16006A	Organise and communicate information
MEM16008A	Interact with computing technology
MEM18001C	Use hand tools
MEM18002B	Use power tools / hand held operations
MEMPE001A	Use engineering workshop machines
MEMPE002A	Use electric welding machines
MEMPE004A	Use fabrication equipment
MSAPMSUP106A	Work in a team



AUR20716 Certificate II in Automotive Vocational Preparation

This is an introductory qualification which covers the skills and knowledge required to perform a limited range of tasks related to familiarisation and inspection of mechanical and electrical components, systems of vehicles and powered equipment. The course will suit students who enjoy mechanical processes and problem solving and may lead to employment in the broader automotive industry.

Course Duration:	1 school year
Work Experience:	10 days minimum
Uniform:	MEC Hi-vis shirt, jeans, steel capped boots
Cost:	Material fee (includes work placement fees) \$195.00
Register:	Contact the relevant person at your school, download and complete a MEC application
Eligibility:	Senior Students who meet the government eligibility criteria

This is a Vocational Education and Training in Schools (VETiS) Program funded by the Queensland Government.

Course competencies

Units to be completed	
AURAEA002	Follow environmental and sustainability best practice in an automotive workplace
AURAF003	Communicate effectively in an automotive workplace
AURAF004	Resolve routine problems in an automotive workplace
AURASA002	Follow safe working practices in an automotive workplace
AURTTE008	Dismantle and assemble multi-cylinder four-stroke petrol engines
AURTTA005	Select and use wheel bearings, seals, gaskets, sealants and adhesives
AURTTK001	Use and maintain measuring equipment in an automotive workplace
AURLTA001	Identify automotive mechanical systems and components
AURTTA004	Carry out servicing operations
AURTTK002	Use and maintain tools and equipment in an automotive workplace
AURETK003	Operate electrical test equipment
AURETR003	Identify automotive electrical systems and components



UEE22011 Certificate II in Electro-technology (Career Start)

The course is ideal for students wanting to gain an insight into the electrical industry and the course will suit students who enjoy problem solving, working with technology and who want a career in the Electrotechnology industry.

Course Duration:	1 ½ school years. Commencement mid-year 11.
Work Experience:	Minimum 25 days (over 1 ½ yrs)
Uniform:	MEC Hi-vis shirt, jeans, steel capped boots
Cost:	Material fee \$300.00 (including work placement fees)
Register:	Contact the relevant person at your school, download and complete a MEC application
Eligibility:	Year 11 students who meet the government eligibility criteria

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Course competencies

Units to be completed	
UEENEEE101A	Apply Occupational Health and Safety regulations, codes and practices in the workplace
UEENEEE104A	Solve problems in d.c. circuits
UEENEEE141A	Use of routine equipment/plant/technologies in an energy sector environment
UEENEEE148A	Carry out routine work activities in an energy sector environment
UEENEEE179A	Identify and select components, accessories and materials for energy sector work activities
UEENEEK142A	Apply environmentally and sustainable procedures in the energy sector
CPCCOHS1001A	Work safely in the construction industry
HLTAID001	Provide cardiopulmonary resuscitation
UEENEEC010B	Deliver a service to customers
UEENEEED101A	Use computer applications relevant to a workplace
UEENEEE102A	Fabricate, assemble and dismantle utilities industry components
UEENEEE105A	Fix and secure electrotechnology equipment
UEENEEP024A	Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply

