



MACKAY CHRISTIAN COLLEGE TRADE TRAINING CENTRE

2021 TRADE TRAINING CENTRE INFORMATION

The Mackay Christian College Trade Training Centre (MCCTTC) offers a unique program for Year 11 & 12 students, who would like to add foundational, practical understanding and abilities to their skills set or who are pursuing a trade career. With strong industry links, experienced staff and a purpose-built facility, the MCCTTC allows students to develop their trade skills while working toward their Queensland Certificate of Education (QCE).

MCCTTC has a strong focus on work readiness, providing students with industry exposure to form their career pathways and develop their employability skills. Students can achieve success in their core studies while gaining a Vocational Certificate in Engineering and the industry knowledge and skills in the applied subject, Building and Construction Skills, and/or engaging in a School Based Apprenticeship or Traineeship.

Industry value work experience highly and have provided feedback that they would like to see a minimum of two work experience placements on a student's resume over two years of senior schooling. MCCTTC provides opportunity for Trade Pathway (fulltime) students to complete a minimum of seven work experience placements during Years 11 & 12.

INDUSTRY TRAINING AREAS

Building and Construction Skills (Applied subject)

Carpentry, Concreting, Block Laying, Wallboard Plastering, Construction Material Handling, Workplace Health & Safety in the Construction Industry

Certificate II in Engineering Pathways (Formula Student RTO Code: 41124)

Metal Fabrication, Motor Mechanic, Fitter & Turner

Our Goal is to see MCCTTC students making successful transitions from school to fulltime, meaningful employment or further training.

AIMS

- Proactively develop the whole student in partnership with parents and the community
- Develop and maintain a safety culture across all areas of student life
- Engage and support young people along the critical pathway from school to fulfilling work or further studies
- Focus on Engineering and Building/Construction Trades
- Engage Trade Training students in School Based Apprenticeships
- Consistently provide values-based learning to promote employability skills and attributes
- Pursue best practice by continuous improvement



MACKAY CHRISTIAN COLLEGE

TRADE TRAINING CENTRE

PROGRAM STRUCTURE

The MCCTTC seeks to target two groups of students:

Trade Pathway Students Those who are seeking to graduate from Year 12 into an Engineering or Building and Construction trade career.

MCCTTC Trade Pathway Students will, on successful completion, attain a Certificate II in Engineering Pathways. In addition to this nationally recognised qualification, MCCTTC Trade Pathway students and staff will work towards securing a future in the students preferred trade area.

Single Subject or Certificate Pathway Students Those who are considering university entrance or another career pathway, depending on their ATAR eligibility and successful completion of the subject or certificate.

MCCTTC Single Subject Pathway Students are those who participate in the Trade Training Centre by selecting TTC as only one of their senior subjects or certificate. Here students can develop some practical skills in the TTC while completing five other academic subjects. Students may choose to undertake either the applied subject, Building and Construction Skills or Certificate II in Engineering Pathways as one of their subject electives. Students will go to school as normal and attend the TTC in the time allocated on the time table.



MACKAY CHRISTIAN COLLEGE

TRADE TRAINING CENTRE

RTO Number: 41124

Formula Student (Race Car Build)

VET: CODE - VEP

(QCE Credits 4)



MEM20413 Certificate II in Engineering Pathways

	Code	Title	Core / Elective
Units of competency	MEM13014A	Apply principles of occupational health and safety in the work environment	Core
	MEMPE005A	Develop a career plan for the engineering and manufacturing industry	Core
	MEMPE006A	Undertake a basic engineering project	Core
	MSAENV272B	Participate in environmentally sustainable work practices	Core
	MEM16006A	Organise and communicate information	Elective
	MEM16008A	Interact with computing technology	Elective
	MEM18001C	Use hand tools	Elective
	MEM18002B	Use power tools/hand held operations	Elective
	MEMPE001A	Use engineering workshop machines	Elective
	MEMPE002A	Use electric welding machines	Elective
	MEMPE004A	Use fabrication equipment	Elective
	MSAPMUSP106A	Work in a team	Elective

Subject Description

A course of study in Engineering comprising of a mandatory study area core unit of work, integrated throughout the course of study, and a specified number of units of study, as prescribed by the particular strand or strands chosen, integrated throughout the course of study.

This Engineering course has been designed as a project-based or activity-based course of study with the emphasis on using current industry practice and safe technological processes to complete tasks through the fabrication and construction of a Formula High School® race car in a workshop or simulated workplace environment. Projects and practical activities set the context within which the key elements of the course are delivered and provide the means for the consolidation and application of skills and knowledge.

Skills taught are authentic and credible. Students are instructed by the trainers and/or carry out blended learning utilising video instruction to gain an understanding of the task plus underpinning knowledge and skill of what is required as an outcome. The student is assigned a task to manufacture, and the steps required to achieve the outcome. The component manufacture is broken down into the various step by step work tasks. The course is designed to develop knowledge and skills within the engineering and manufacturing industry, from the language used to the processes and methods and the quality assurances around building an item for consumer usage.

This course of study is flexible to accommodate new and emerging technologies in the manufacturing industries and the wide range of interests and abilities of the students who study it.



MACKAY CHRISTIAN COLLEGE TRADE TRAINING CENTRE

2021 FEES

College Fees

Trade Training Centre students will be subject to standard fees at the school of their enrolment.

Trade Pathway Subject Levy - The MCCTTC Trade Pathway program is specifically tailored to meet the current needs of industry and to equip and prepare students for their preferred career choice. Students will be required to complete Building and Construction skills (QCAA Applied Subject), Certificate II in Engineering Pathways (delivered in partnership with an external RTO – Formula Student) along with Industrial Graphics. Trade Pathway has a separate levy charged in place of the subject levy.

\$181.25/term (\$725/year) (5% discount if paid in full by 31st March - \$36.25)

Single Subject Pathway - MCCTTC also offers a Single Pathway option to students who are not necessarily seeking a job in the trade industry. Dependent on student numbers for classes, students can select either Building and Construction Skills (QCAA Applied subject) **or** Certificate II in Engineering Pathways (delivered in partnership with an external RTO – Formula Student). This levy is included in the Year level subject levy.



MACKAY CHRISTIAN COLLEGE TRADE TRAINING CENTRE

UNIFORM INFORMATION

Uniform Policy

Students are expected to wear and maintain their MCCTTC uniform in a neat and tidy manner at all times including shirts tucked in and hair in line with college policy. **All MCCTTC students** must own a formal dress uniform.

Students may wear their TTC uniform to regular classes on days they have TTC subjects. On the days when they do not have a TTC subject, they will be expected to wear the appropriate uniform to meet with their timetable.

MCCTTC Uniform Requirements

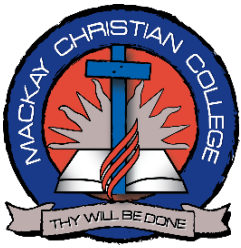
- Orange/Navy Long Sleeve Hi Vis Shirt **embroidered with the approved MCCTCC Logo**
*ONLY purchased through **The School Locker (see below)**
- Navy Long Drill Cargo Pants
- Navy Short Drill Cargo Pants – Building and Construction Skills students ONLY
- Navy Work Socks
- Canvas and Mesh Broad Brim Hat – Building and Construction Skills students ONLY
- Black Safety Boots – Steel cap, Lace-up, High Ankle - Safety Boots are to coincide with the college uniform policy of black school shoes. However, if your child currently owns safety boots of a different colour, please discuss options with the Director of Trade Training Centre. Elastic sided boots are not acceptable.



Uniforms are available from the **The School Locker** located on Kings Park Campus at 9 Quarry Street, North Mackay or order online <https://theschoollocker.com.au/>.

- click on shop by school, and type in Mackay Christian College
- click on uniforms
- Scroll down for the uniform you need
- Click on the item, then choose the size, add to cart etc.

2021 Opening Hours PLEASE REFER WEBSITE <https://theschoollocker.com.au/stores#a-campus>



MACKAY CHRISTIAN COLLEGE TRADE TRAINING CENTRE

TOOL KIT INFORMATION

ENGINEERING KIT will contain

- Safety Glasses
- Welding Gloves
- Ear Muffs
- Flint Gun
- Self-darkening Welding Helmet
- 300 mm Ruler
- Oxy Glasses
- Chipping Hammer
- MIG Pliers
- *Stanley Combination Square
- *Lufkin 8m x 25mm Metric Only Tape Measure

CONSTRUCTION KIT will contain

- Safety Glasses
- Hammer – 20 Ounce
- Tool Belt – Single pouch
- 25mm Chisel
- Leather Chisel Holder
- Stanley Knife
- Carpenter's Pencil
- *Stanley Combination Square
- *Lufkin 8m x 25mm Metric Only Tape Measure

MCCTTC Trade Pathway Students will need the equipment outlined in both kits. Students will be advised when the Tool Kit specific to their subject is required.

MCCTTC Single Subject Pathway Students will only need to purchase the kit relevant to their subject or certificate.

Purchasing Kits

Option 1 Tool Kits can be purchased through MCCTTC

- Engineering Kit \$260
- Construction Kit \$160
- Purchase Both Kits \$380

*Students only require one Tape Measure and Combination Square

Payments made via the College Front Office or if using internet banking (BSB 084789 Acc No 019277202) and reference the transfer STUDENT NAME TOOL KIT.

Option 2 Supply your own tools as per the list.

Maintenance of Tool Kit/s will be the responsibility of the students.