



**2008 Campus based Courses in
Automotive/Engineering**

**A detailed guide to assist students in
Course and/or Campus Selection**

Your first choice for rural training
www.aacc.edu.au

Purpose of this Guide

This guide compliments the Australian Agricultural College Corporation 2008 Course Guide. It aims to assist prospective students identify the most appropriate “automotive/engineering” course of study to meet their own personal needs and career aspirations. Other guides are available to assist in the selection of “Agriculture”, “Horticultural” and “Conservation and Land Management” course offerings.

By listing the courses, and the common and specific units of competency used in each course, at each campus, these guides enable students to make an informed choice as to which course/campus combination best meets their particular need. For more specific information or advice on course selection or how the training is delivered please contact the Campus of your choice.

Burdekin campus

Address: School Road, Clare QLD 4807
Postal address: PMB 6 MS 54, Ayr QLD 4807
Phone: 07 4790 6222
Freecall: 1800 888 710
Fax: 07 4790 6200
Email: burdekin@aacc.edu.au

Dalby campus

Address: 463 Bunya Highway, Dalby QLD 4405
Postal address: PO Box 398, Dalby QLD 4405
Phone: 07 4672 3000
Fax: 07 4662 4048
Email: dalby@aacc.edu.au

Emerald campus

Address: Capricorn Highway, Emerald QLD 4720
Postal address: PO Box 257, Emerald QLD 4720
Phone: 07 4982 8777
Fax: 07 4982 8710
Email: emerald@aacc.edu.au

Longreach campus

Address: Landsborough Highway, Longreach QLD 4730
Postal address: PO Box 470, Longreach QLD 4730
Phone: 07 4658 4699
Freecall: 1800 004 730
Fax: 07 4658 1956
Email: longreach@aacc.edu.au

Mareeba campus

Address: 186 Tinaroo Creek Road, Mareeba QLD 4880
Postal address: PO Box 2104, Mareeba QLD 4880
Phone: 07 4092 4221
Fax: 07 4092 4787
Email: mareeba@aacc.edu.au

Campus Based Courses in Automotive/Engineering

Campus based courses are offered at the Pre Trade and Certificate II. Providing they meet the prerequisite requirements students can enrol in a single qualification, at either Pre-Trade or Certificate II level. These automotive training courses provide students with the basic understanding of the operation, service and maintenance of farm vehicles and workshop equipment. The engineering training is designed to provide students with a pathway from high school to an apprenticeship.

Burdekin and Mareeba campuses are the only Campuses that offer Campus based full time courses in Automotive/Engineering.

Disclaimer

Whilst every effort has been made to ensure the information in this publication is accurate, changes may occur at any time. Visit www.aacc.edu.au or contact your preferred campus to obtain the most up-to-date information.
Publication date: 30th June 2008.

Table of Contents

391QLD Course in Engineering (Pre-Trade) Mechanical.....	4
Burdekin Campus:.....	4
MEM20105 Certificate II in Engineering.....	5
Burdekin Campus:.....	5
Mareeba Campus:.....	5

391QLD Course in Engineering (Pre-Trade) Mechanical

The course is a vocational education program intended primarily as a transition from school to employment, providing an introduction to the trade level of the manufacturing and engineering industries.

This program is only offered at the Burdekin campus.

Core Units

Refer to the adjoining list to identify the core units of competency for this Course in Engineering (Pre-Trade) Mechanical.

- MEM13014A Apply principles of occupational health and safety in the work environment
- MEM14004A Plan to undertake a routine task
- MEM15024A Apply quality procedures
- MEM16007A Work with others in a manufacturing, engineering or related environment

Campus Specific Units

In addition to the previous core units, students complete the following units of competency.

Burdekin Campus:

- MEM05005B Carry out mechanical cutting
- MEM05007C Perform manual heating and thermal cutting
- MEM05050B Perform routine gas metal arc welding
- MEM07032B Use workshop machines for basic operations
- MEM09002B Interpret technical drawing
- MEM12023A Perform engineering measurements
- MEM12024A Perform computations
- MEM18001C Use hand tools
- MEM18002B Use power tools/hand held operations
- MEM18055B Dismantle, replace and assemble engineering components
- VPC220 Vocational Placement
- WSA150 Workplace Simulation

MEM20105 Certificate II in Engineering

This course is designed to provide students with an introduction to the careers in Farm Vehicle and Equipment Servicing, Mechanics, Diesel Fitter and/or Fitter and Turner.

All levels of operation within this diverse industry need to be highly skilled according to their role and responsibility. This course introduces basic skills and knowledge to effectively work in industry as well as providing an introduction to performing routine production tasks.

This program is offered at the Burdekin and Mareeba campuses.

Core Units

The Certificate II in Engineering program includes the following common units of competency:

- MEM13014A Apply principles of occupational health and safety in the work environment
- MEM14004A Plan to undertake a routine task
- MEM15002A Apply quality systems
- MEM15024A Apply quality procedures
- MEM16007A Work with others in a manufacturing, engineering or related environment

Common Units

- MEM05005B Carry out mechanical cutting
- MEM05007C Perform manual heating and thermal cutting
- MEM05012C Perform routine manual metal arc welding
- MEM05050B Perform routine gas metal arc welding
- MEM09002B Interpret technical drawing
- MEM12024A Perform computations
- MEM18001C Use hand tools
- MEM18002B Use power tools/hand held operations
- MEM18055B Dismantle, replace and assemble engineering components

Campus Specific Units

In addition to the previous core and common units, students complete the following units of competency specific to the Campus.

Burdekin Campus:

- MEM05006B Perform brazing and/or silver soldering
- MEM07032B Use workshop machines for basic operations
- MEM12001B Use comparison and basic measuring devices
- MEM12023A Perform engineering measurements
- MEM13002B Undertake occupational health and safety activities in the workplace

Mareeba Campus:

- MEM05004C Perform routine oxy acetylene welding
- MEM11011B Undertake manual handling
- MEM16008A Interact with computer technology
- MEM18024B Maintain engine cooling system
- MEM18025B Service combustion engines