

Master of Engineering Research (MENR) - MEngR

CRICOS code (International applicants): 066076A

	On-campus	Distance education
Semester intake:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)
Campus:	Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place Research training scheme (RTS)	Domestic full fee paying place International full fee paying place Research training scheme (RTS)
Standard duration:	3 semesters full-time, 6 semesters part-time or 6 semesters by distance education.	
Program articulation:	To: Doctor of Philosophy	

Contact us

Future A	Future International students	Current students

Admission requirements

All candidates for admission to the program will have demonstrated a high level of ability at the undergraduate level or will have demonstrated, in pursuit of their occupation or by other means, their ability to perform successfully studies at this level.

Specifically, a candidate will normally be considered for admission to a place in the Master of Engineering Research program if the candidate either:

- holds a four-year bachelor's degree in engineering awarded by an Australian university or university college, or an equivalent qualification awarded by an overseas institution; and
- can demonstrate a high level of academic performance in their undergraduate studies;

or

- holds a bachelor's degree in science, applied mathematics, or a related field of study awarded by an Australian university or university college, or an equivalent qualification awarded by an overseas institution; and
- can demonstrate a high level of academic performance in their undergraduate studies;
- has completed a qualifying program of engineering studies approved by the Dean of the Faculty of Engineering and Surveying;

or

- has worked as a professional engineer in a position of responsibility for a period of not less than five years and can provide documentary evidence, such as technical publications, that satisfies the Dean of the Faculty of Engineering and Surveying that advanced knowledge has been acquired; and
- successfully completes an interview conducted by the Dean of the Faculty of Engineering and Surveying

part time for Masters by Research programs. As part of the enrolment process students are required to submit proof of citizenship and transcripts of all previous academic study. It is with this documentation that USQ can determine the eligibility for RTS. Students who are eligible for RTS are:

- those who have not consumed any RTS previously
- those who have already utilised RTS and have successfully completed a research program. Once a student completes a higher degree research program full entitlements of RTS are restored.

Program structure

The Master of Engineering Research involves a minimum of either three terms of full-time research or six terms of part-time research during which a candidate prepares a dissertation on the research undertaken and submits it for examination. Research topics are selected from areas of agricultural, civil, electrical, electronic, environmental, mechanical, biomedical and mechatronic engineering.

The Master of Engineering Research may also incorporate a small component of coursework, limited to a maximum of two unit courses, drawn from the undergraduate programs of the Faculties of Engineering and Surveying, Business and Sciences.

Required time limits

Full-time students have a maximum of three years to complete this program. Part-time students have a maximum of six years to complete this program. International students should complete this program within the CRICOS duration which is two years.

A pro-rata adjustment of the maximum time period will apply for those students who transfer from one mode of study to another. A pro-rata reduction in the maximum time period will apply to students who are admitted to a program with advanced standing.

Research

The key areas of research of the Faculty are:

- **Agricultural and Environmental Engineering**
 - Agricultural Machinery
 - Precision Agriculture
 - Biosystems
 - Ground Water
 - Waste Treatment
 - Environmental Modelling
 - Irrigation
- **Computational Engineering**
 - Numerical Methods and Analysis
 - Modelling and Simulation
 - Finite Elements
- **Electrical, Electronic and Computer Engineering**
 - Microwave Engineering
 - Signal Processing and Neural Networks
 - Computer and Network Engineering
 - Energy Systems and Control
- **Fluid Mechanics, Rheology and Thermofluids**
 - Aerodynamics
 - Heat and Mass Transfer
 - Flow of Polymeric Liquids
 - Engines and Thermal Energy Conversion

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undertake research activities. Part-time students normally enrol in a two-unit course for each term in which they engage in research activities.
