

Master of Engineering Research

- 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 de

If a student's RTS entitlement expires before they have completed their program they will be required to pay full tuition fees. As there may be limited RTS places available, some students may be required to pay fees for all or part of their program. The Office of Research Graduate Studies will advise students of their eligibility for an RTS place.

Program structure

The Master of Engineering Research involves a minimum of either three semesters of full-time research or six semesters 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 Engineering, Business and Sciences undergraduate programs.

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 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
- **GIS and Planning**
 - Remote Sensing and Photogrammetry
 - Surveying and Land Planning
 - Spatial Modelling and GPS

- **Mechanics, Materials and Structures**

- Fibre Composites
- Concretes
- Metals
- Soil Mechanics
- Fracture Mechanics

- **Mechatronics and Control**

- Agricultural Machinery
- Robotics
- Smart Devices
- Machine Vision
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