

Master of Engineering Research (MENR) - MEngR

- 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 Faculty of Health, Engineering and Sciences;

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 Faculty of Health, Engineering and Sciences that advanced knowledge has been acquired; and
- successfully completes an interview conducted by the Faculty of Health, Engineering and Sciences or his/her nominee to assess the candidate's chance of success in the program.

Domestic and International Applicants from a non-English speaking background are required to satisfy

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 Envir**

- Metals
- Soil Mechanics
- Fracture Mechanics
- **Mechatronics and Control**
 - Agricultural Machinery
 - Robotics
 - Smart Devices
 - Machine Vision
 - Measurement and Instrumentation.

IT requirements

Access to an up-to-date computer is necessary. On-campus students can access appropriately equipped laboratories, but should consider acquisition of their own computer. External students should be able to access a computer with the following [minimum standards](#) as advised by the University. All students should have access to email and the Internet via a computer running the latest versions of Internet web browsers such as Internet Explorer or Firefox. The University has a wireless network for on-campus students' computers. In order to take advantage of this facility and further enhance their on-campus learning environment, students should consider purchasing a notebook/laptop computer with wireless connectivity. A notebook/laptop may be required for some courses.

Other program requirements

Students enrolling in this program by external mode will need to demonstrate that the educational objectives normally achieved by attendance on-campus are met by other means. This will normally require that:

- there is acceptable local day to day supervision
- the research project is related to their day to day work
- the student has access to adequate local facilities such as a library, laboratory and/or the technical support required to complete the research project
- communication with USQ staff is readily available via telephone, facsimile and/or email
- the USQ supervisor is able to visit the remote site as required
- the student is able to attend the USQ campus for supervision and/or seminars as directed.

Recommended enrolment pattern

Students are able to enrol in any offered mode of a course (on-campus, distance education or online), regardless of the program mode of study they enrolled in.

The Master of Engineering Research is comprised of a minimum of 12 units of independent research. Students studying full-time on-campus will normally undertake eight units per year; part-time students normally enrol in four units per year. Full-time students normally enrol in a four-unit course for each term in which they undertake research activities. Part-time students normally enrol in a two-unit course for each term in which they engage in research activities.

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Coursework Course								
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Research Courses								

