

## Master of Engineering (MENC) - MEng

This program is only offered to continuing students. No new admissions will be accepted. Students who are interested in this study area should consider the [Master of Advanced Engineering](#) which will be offered from S1 2014.

	External
<b>Start:</b>	No new admissions
<b>Campus:</b>	Toowoomba
<b>Fees:</b>	Domestic full fee paying place International full fee paying place
<b>Standard duration:</b>	1.5 - 2 years by distance education
<b>Program articulation:</b>	From: <a href="#">Postgraduate Certificate of Engineering</a> ; <a href="#">Bachelor of Engineering (Honours)</a>

### Notes:

Some of the courses in the Engineering Management and Engineering Project Management majors may be offered on-campus at the Springfield Campus

Formerly Master of Engineering Management (MENM)

## Contact us

Current students
<a href="#">Ask a question</a> Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email <a href="mailto:usq.support@usq.edu.au">usq.support@usq.edu.au</a>

## Professional accreditation

The [Master of Engineering](#) is not accredited by any professional bodies other than the University of Southern Queensland.

## Program aims

The aim of the Master of Engineering program is to produce graduates that are equipped with essential management knowledge and an appreciation of the latest technologies in addition to their initial specialisation. The skill set would therefore allow the graduate to manage more complex technological or engineering businesses.

## Program objectives

Students who successfully complete the Master of Engineering will be able to demonstrate their ability to:

- Critically evaluate knowledge from literature and other information sources relevant to their field
- Apply asset management theory and practice to the management of engineering assets
- Evaluate the importance of technological innovation and risk in engineering businesses
- Apply the specialist knowledge and skills acquired in their major

## Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

Possess a four year Bachelor of Engineering degree awarded by an Australian university, or an equivalent qualification awarded by an overseas institution. Candidates who wish to study a technical major will be expected to have completed an appropriate major in their undergraduate program.

The standing of degrees awarded by an overseas institution will be determined by reference to the National Office of Overseas Skills Recognition (NOOSR).

All students are required to satisfy the applicable [English language requirements](#).

If students do not meet the English language requirements they may apply to study a University-approved [English language program](#). On successful completion of the English language program, students may be admitted to an award program.

## Program fees

### Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the [Course Fee Schedule](#)

Domestic full fee paying students may be eligible to defer their fees through a Government loan called [FEE-HELP](#) provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for [FEE-Help](#).

### International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, via distance education/online. Students are able to calculate the fees for a particular course via the [Course Fee Schedules](#).

## Program structure

The Master of Engineering comprises eight single unit Academic courses as follows:

- Two core courses:
  - [ENG8103 Management of Technological Risk](#)
  - [ENG8104 Asset Management in an Engineering Environment](#)
- A four course major; and
- Two Elective courses.

## Major studies objectives

The major study provides students with knowledge and skills in a specific discipline. The three major study areas in the Master of Engineering are:

- Advanced Structural Engineering Design
- Engineering Management
- Engineering Project Management

## 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.

## Articulation

Students who have completed the Postgraduate Certificate of Engineering are able to apply to articulate with full credit into the Master of Engineering program if they study the same major in this program and satisfy admission requirements to the Master of Engineering program.

The standing of degrees awarded by an overseas institution will be determined by reference to the National Office of Overseas Skills Recognition (NOOSR).

## Credit

Exemptions/credit will be assessed based on the [USQ Credit and Exemption Procedure](#).

## Advanced Structural Engineering Design Major recommended enrolment pattern

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

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
<b>Schedule A: Core Courses</b>							
Students must complete the two courses in this schedule:							
<a href="#">ENG8103 Management of Technological Risk</a>					2		
<a href="#">ENG8104 Asset Management in an Engineering Environment</a>					1		
<b>Schedule B: Major Courses</b>							
Students must complete the four courses in this schedule:							
<a href="#">CIV8801 Code-Based Structural Design</a>						1	
<a href="#">CIV8803 Advanced Mechanics and Technology of Fibre Composites</a>						1	Pre-requisite: <a href="#">CIV3506</a> or <a href="#">MEC3203</a> or Students must be enrolled in one of the following Programs: GCEN or PGCN or METC or MEPR or GCNS or GDNS or MENS or MENC or MAEN
<a href="#">CIV8804 Advanced Design Practice using Finite Element Analysis</a>						2	
<a href="#">CIV8802 Advanced Prestressed Concrete</a>						2	
<b>Schedule C Elective Courses</b>							
Students must complete two courses from this schedule:							
<a href="#">ENG8011</a>					1		
<a href="#">ENG8206 Whole of Life Facilities Management</a>					2		
<a href="#">ENG8205 Project Management Practice</a>						2	

### Notes:

With the prior approval of the Faculty of Health, Engineering and Sciences, students may complete a postgraduate structural engineering course at another university as one of their Elective courses.

## Engineering Management Major recommended enrolment pattern

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

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
<b>Schedule A: Core Courses</b>							
Students must complete the two courses in this schedule:							
<a href="#">ENG8103 Management of Technological Risk</a>					2		
<a href="#">ENG8104 Asset Management in an Engineering Environment</a>					1		
<b>Schedule B: Major Courses</b>							
Students must complete the four courses in this schedule:							
<a href="#">ENG8101 Technological Impact and its Management</a>					1		
<a href="#">ENG8102 Towards Sustainable Development<sup>#</sup></a>					2		
<a href="#">ENG8205 Project Management Practice</a>					2		
<a href="#">ENG8207 Innovation Management and New Product Development</a>					2		
<b>Schedule C Elective Courses</b>							
Students must complete two courses from this schedule:							
<a href="#">ACC5502 Accounting and Financial Management</a>					1,3		Pre-requisite: Students enrolled in one of the following Programs: Master of Professional Accounting (MPAC) or Master of Business Administration & Master of Professional Accounting (MBAC) are not eligible for enrolment
<a href="#">ENG8011</a>					1		
<a href="#">ENG8111 Project Requirements Management</a>					2	2	
<a href="#">ENG8204 Management of Environmental Technology<sup>**</sup></a>					2		
<a href="#">ENG8206 Whole of Life Facilities Management</a>					2		
<a href="#">FIN5003</a>					1,3	1,3	
<a href="#">MGT5000 Managing Organisational Behaviour</a>					1,3	1,3	

### Footnotes

# This course is not available in 2013. Students should instead substitute [ECO8012](#)

\*\* Not available in 2013

### Notes:

Some courses may be offered on-campus at Springfield.

## Engineering Project Management Major recommended enrolment pattern

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

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
<b>Schedule A: Core Courses</b>							
Students must complete the two courses in this schedule:							
<a href="#">ENG8103 Management of Technological Risk</a>					2		

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
<a href="#">ENG8104 Asset Management in an Engineering Environment</a>				1			
<b>Schedule B: Major Courses</b>							
Students must complete the four courses in this schedule:							
<a href="#">MGT8022 Project-Based Management</a> *				1,3		1,3	
<a href="#">ENG8111 Project Requirements Management</a>				2			
<a href="#">ENG8205 Project Management Practice</a>				2			
<a href="#">MGT8025 Project Scope, Time and Cost Management</a>				1			
<b>Schedule C Elective Courses</b>							
Students must complete two courses from this schedule:							
<a href="#">ENG8101 Technological Impact and its Management</a>				1			
<a href="#">ENG8102 Towards Sustainable Development</a> #				2			
<a href="#">ENG8204 Management of Environmental Technology</a> **				2			
<a href="#">ENG8206 Whole of Life Facilities Management</a>				2			
<a href="#">ENG8207 Innovation Management and New Product Development</a>				2			
<a href="#">MGT8003 Supply Chain Management</a>				1			
<a href="#">MGT8021 Project Sustainability Management</a>				1		1	

**Footnotes**

\* It is strongly recommended that students enrol in MGT8025 prior to, or at the same time as, enrolling in subsequent project management courses.

# This course is not available in 2013. Students should instead substitute [ECO8012](#)

\*\* Not available in 2013

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