

Master of Engineering Science (MENS) - MEngSci

CRICOS code (International applicants): 067689G

	On-campus	Distance education
Semester intake:	Semester 1 (March) Semester 2 (July)	Semester 1 (March) Semester 2 (July)
Campus:	Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	2 years full-time or 4 years part-time or by distance education	
Program articulation:	From: Graduate Certificate of Engineering Science ; Graduate Diploma of Engineering Science	

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: studyeng@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Professional accreditation

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- to prepare graduates to be eligible for graduate membership of Engineers Australia, and other appropriate professional bodies.

Admission requirements

To be eligible for admission to the program, candidates must possess one of the following requirements:

- an appropriate three year engineering degree in the relevant (cognate) specialisation (major field) awarded by an Australian university, or an equivalent qualification awarded by an Australian or overseas institution.
- an appropriate three or four year engineering degree in non-cognate specialisation (major field) awarded by an Australian university, or an equivalent qualification awarded by an Australian or overseas institution.*

* Entrants may need to undertake courses in addition to the recommended structure, which will involve study longer than the normal duration. The standing of degrees awarded by an overseas institution will be determined by reference to the Sydney Accord, and Washington Accord, of which Engineers Australia (EA) is a signatory, and Australia Education International (AEI) which is a federal government agency.

Domestic and International Applicants from a non-English speaking background are required to satisfy [English language requirements](#).

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

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of your higher education and you as a student pay a [student contribution amount](#), which varies depending on the courses undertaken. You are able to calculate the fees for a particular course via the [Course Fee Finder](#). Commonwealth Supported students may be eligible to defer their fees through a Government loan called [HECS-HELP](#).

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. You are able to calculate the fees for a particular course via the [Course Fee Finder](#).

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. You are able to calculate the fees for a particular course via the [Course Fee Finder](#).

Program structure

The Master of Engineering Science comprises 16 units (14 single unit academic courses and a two unit academic course) and five practice courses. The structure is shown below:

Schedule A: Six core courses (Seven units)

- [ENG5001 Professional Skills in Engineering](#)
- [ENM2600 Advanced Engineering Mathematics](#)
- [ENG3104 Engineering Simulations and Computations](#)
- [ENG8001 Masters Dissertation A](#)

- [ENG8411 Masters Dissertation B](#)
- [ENG8412 Masters Dissertation C](#) (a two unit course)

Schedule B: A seven course major (Six units)

Schedule C: Two Electives (Two units)

Schedule D: Five Practice Courses (Zero units), three of which are common to all majors

- [ENG3902 Professional Practice 1](#)
- [ENG4903 Professional Practice 2](#)
- [ENG4909 Work Experience - Professional](#)

Required time limits

Full-time students have a maximum of four years to complete this program. Part-time students have a maximum of eight years to complete this program.

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.

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Structural Engineering Major 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.

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	V b ^ o	P b j	V b ^ o	P b j	V b ^ o	
Schedule A: Core Courses Students must complete all six courses listed in this schedule.						
ENG5001 Professional Skills in Engineering	1	1	1	1,2		
ENM2600 Advanced Engineering Mathematics	1	1	1	1		Pre-requisite: ENM1600 or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MENS
ENG3104 Engineering Simulations and Computations	1	2	1	2		Pre-requisite: (ENG2102 and (MAT1502 or MAT1102 or ENM2600)) or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCN S or GDNS or MENS
ENG8001 Masters Dissertation A	1	2			3	1,2
ENG8411 Masters Dissertation B	2	1,2	4	1		Pre-requisite: ENG8001
ENG8412 Masters Dissertation C#	2	1,2	4	2		Pre-requisite: ENG8001
Schedule B: Major Courses Students must complete all seven courses listed in this schedule.						
CIV3505 Structural Analysis	1	1	2	1		Pre-requisite: MEC2402 and (MAT1502 or ENM1600 or MAT1102) or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCN S or GDNS or MENS
CIV3506 Concrete Structures	1	1	2	1		Pre-requisite: CIV2503 or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCN S or GDNS or MENS
CIV3403 Geotechnical Engineering	1	2	2	2		Pre-requisite: CIV2401 or CIV2403 or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCNS or GDNS or MENS
CIV4508 Structural Design II	2	1	3	1		Pre-requisite: CIV3505 and CIV3506 or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCNS or GDNS or MENS
MEC3203 Materials Technology	2	1	3	1		Pre-requisite: MEC1201 or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or GCNS or GDNS or MEPR or MENS
CIV8802 Advanced Prestressed Concrete]						2
CIV8803 Mechanics and Technology of Fibre Composites						1
						Pre-requisite: CIV3506 or MEC3203 or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCNS or GDNS or MENS or MENC
Schedule C: Elective Courses Students must complete two of the courses listed in this schedule.~						
CIV8801 Code-Based Structural Design						1
CIV8804 Advanced Design Practice using Finite Element Analysis						2
ENG4004 Engineering Project and Operations Management‡		2,3		2,3		
ENG8101 Technological Impact and its Management		1		1		

