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 Engineerin Science	n: Graduate Certificate of Engineering Science; Graduate Diploma of Engineering nce						

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.

Practice Courses are zero unit courses that are a compulsory part of the program. However, they do not attract a student contribution charge for Australian residents or a tuition fee for international students. External students should ensure that they are able to attend the residential school prior to enrolling in a Practice Course.

Exit points

Students who have completed four courses in the program may satisfy the requirements for the Graduate Certificate of Engineering Science and therefore may apply to exit the program with a Graduate Certificate of Engineering Science.

Students who have completed eight courses in the program may satisfy the requirements for the Graduate Diploma of Engineering Science and therefore may apply to exit the program with a Graduate Diploma of Engineering Science.

Students who are unable to satisfactorily complete the program may apply to transfer to the Bachelor of Engi neering (Honours) or the Bachelor of Spatial Science (Honours) as appropriate. They may also apply to have the courses completed in the Master of Engineering Science credited to their new program.

Credit

Candidates for admission to the program are eligible to seek advanced standing in the program, in accordance with existing University regulations. Studies used as the basis for advanced standing must normally have been completed within a period of five years prior to the date of application for advanced standing and have not been used to meet the requirements of another award. The maximum number of exemptions and transfers permitted in this program will be eight units of courses. Students with advanced standing may with the approval of the Faculty of Health, Engineering and Sciences, need to substitute up to four courses in Schedule B with discipline courses at an appropriate level. Exemptions approved in this program will not automatically apply to other programs offered by USQ.

Candidates who have completed the same or similar courses at USQ or similar courses at another institution, with the approval of the Faculty, apply to vary their enrolment on the basis of prior study.

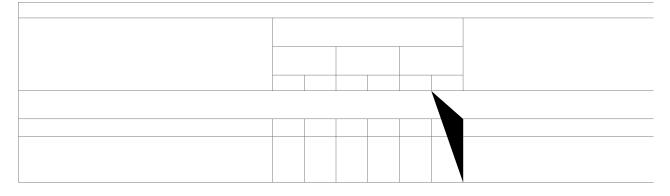
Enrolment

Students should note that some of the courses specify enrolment requirements (prerequisites). Students should therefore refer to the Course Specification section of the USQ Web to determine the enrolment requirements for the courses they intend enrolling in. Students should avoid enrolling in courses for which they do not have sufficient pre-requisite knowledge. Students will be expected to rectify any deficiencies in their pre-requisite knowledge by private study, guided if necessary by the examiners of the relevant courses. Students should contact Faculty Administration if they encounter problems while enrolling in courses with requisites.

Students wishing to undertake a six credit point research project need to obtain the approval of the Faculty of Health, Engineering and Sciences prior to enrolling in either ENG8412 or ENG8002.

Agricultural 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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ENG3104 Engineering Simulf ar	1	2	2	2			Pre-requisite: (ENG2102 and (MAT1502 o MAT1102 or ENM2600)) or Students must
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ENG8104 Asset Management in an Engineering	Vb^0 2	Pbj 1	Vb^0	Pbj 1	Vb^0	Pb j	
Environment							Pre-requisite: (ELE1502 and ELE1801) o Students (ħ
			1				
							1
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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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Schedule A: Core Courses Students mus	t com	plete	all six	cour	ses li	sted i	n 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 mus be enrolled in one of the following Program GCEN or GDET or METC or MENS
ENG3104 Engineering Simulations and Computations	1	2	1	2			Pre-requisite: (ENG2102 and (MAT1502 of MAT1102 or ENM2600)) or Students must be enrolled in one of the following Program GCEN or GDET or METC or MEPR or GC 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 mu	ist cor	nplet	e all s	even	cours	es lis	ted 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 Program: GCEN or GDET or METC or MEPR or GC 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 GC S or GDNS or MENS
CIV3403 Geotechnical Engineering	1	2	2	2			Pre-requisite: CIV2401 or CIV2403 or Stu dents must be enrolled in one of the follow ing Programs: GCEN or GDET or METC MEPR or GCNS or GDNS or MENS
CIV4508 Structural Design II	2	1	3	1			Pre-requisite: CIV3505 and CIV3506 or S dents must be enrolled in one of the follow ing Programs: GCEN or GDET or METC MEPR or GCNS or GDNS or MENS
MEC3203 Materials Technology	2	1	3	1			Pre-requisite: MEC1201 or Students mus be enrolled in one of the following Program 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 S dents must be enrolled in one of the follow ing Programs: GCEN or GDET or METC MEPR or GCNS or GDNS or MENS or MENC
Schedule C: Elective Courses Students	must	com	plete	wo o	f the o	cours	es 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			

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							GCNS or GCST or GDNS or GDST or MSST or MENS
SVY3107 Geodetic Surveying B	1	2	2	2			Pre-requisite: SVY1110 or Students must be enrolled in one of the following Programs GCNS or GCST or GDNS or GDST or MSST or MENS
ENG8104 Asset Management in an Engineering Environment	2	1	4	1			
SVY3304 Cadastral Surveying	2	2	2	2			Pre-requisite: (SVY1102 and SVY1104) or Students must be enrolled in one of the fol lowing Programs: GCNS or GCST or GDNS or GDST or MSST or MENS
URP3201 Sustainable Urban Design and Development	2	2		2			
Schedule C: Elective Courses Students	must	com	plete	two o	f the o	cours	es listed in this schedule.~
ENG8412 Masters Dissertation C#		1,2		2			Pre-requisite: ENG8001
ENG8103 Management of Technological Risk		2		2			
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