

Postgraduate Certificate in Engineering (PGCN) - PGradCertEng

	Distance education	Online
Semester intake:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)
Fees:	Domestic full fee paying place International full fee paying place	Domestic full fee paying place International full fee paying place
Standard duration:	1-2 years by distance education	
Program articulation:	From: Bachelor of Engineering To: Master of Engineering Management	

Notes:

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

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

Program focus

This four unit program allows students to extend their knowledge and skills in one of four fields of engineering: Advanced Structural Engineering Design; Engineering Management; Engineering Project Management; or Road Engineering.

Professional accreditation

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

Program objectives

Students who successfully complete the Postgraduate Certificate in Engineering will be able to demonstrate an ability to:

- Critically evaluate knowledge from the professional journals and other information sources relevant to their field.
- Apply the specialist knowledge and skills acquired in their major.

Admission requirements

To be eligible for admission to the program, candidates must 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.

Candidates who do not hold an appropriate undergraduate degree will be considered for admission if they have had a minimum of five years full-time equivalent relevant work experience as determined by the Dean, Faculty of Engineering and Surveying, University of Southern Queensland

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

International candidates for admission into this program must meet the University's English language proficiency requirements for postgraduate students. Please refer to Section 2.2.3 of the [Admissions Policy](#)

How to apply

Domestic students

[Application for postgraduate programs](#) may be made directly to USQ.

International students

This program is offered to international students. An international student is a person who is not an Australian or New Zealand citizen and not an Australian permanent resident. Please refer to [USQ International](#) for information about entry requirements, visa arrangements and how to apply.

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

Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who reside outside Australia pay full tuition fees.

Domestic full fee paying students may be eligible to defer their fees through a Government loan called [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 Postgraduate Certificate in Engineering comprises four single-unit courses.

Required time limits

Full-time students have a maximum of one year to complete this program. Part-time students have a maximum of two 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.

Major studies objectives

The major study provides students with knowledge and skills in a specific discipline. The four major study areas in the Postgraduate Certificate in Engineering are:

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

IT requirements

Students should refer to the section entitled [Access to Information Technology Facilities](#) in the General Faculty and Program Information section of this Handbook.

Articulation

Students who complete this program are eligible to articulate into the Master of Engineering degree. They will receive full credit for the courses studied if they study the same major in both programs.

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

Exemptions

For the Postgraduate Certificate in Engineering no exemptions will be permitted. Candidates who have completed the same or similar courses at USQ or similar courses at another institution should, with the approval of the Program Coordinator, apply to vary their enrolment pattern on the basis of prior study.

Advanced Structural Engineering Design Major recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (WEB)		
	Year	Sem	Year	Sem	Year	Sem	
Schedule A: Core Course Students must complete the course in this schedule							
ENG8801 Code-Based Structural Design					1	1	
Schedule B: Elective courses Students must complete three of the courses in this schedule							
ENG8802 Advanced Prestressed Concrete]					1	2	
ENG8803 Mechanics and Technology of Fibre Composites						1	
ENG8804 Advanced Design Practice using Finite Element Analysis					2	2	
ENG8805 Design of Offshore Wharves and Jetties					2	2	

Footnotes

] Offered Odd Years Only

Engineering Management Major recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (WEB)		
	Year	Sem	Year	Sem	Year	Sem	
Schedule A: Core Course Students must complete the two course in this schedule							
ENG8103 Management of Technological Risk					2		
ENG8104 Asset Management in an Engineering Environment					1		
Schedule B: Elective courses Students must complete two of the courses in this schedule							
ENG8101 Technological Impact and its Management					1		
ENG8102 Towards Sustainable Development					2		
ENG8205 Technology Management Practice					2		
ENG8207 Technological Innovation and Development					2		

Notes:

Some courses may be offered on-campus at Springfield.

Engineering Project Management Major recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (WEB)		
	Year	Sem	Year	Sem	Year	Sem	
Schedule A: Core Course							
Students must complete the two course in this schedule							
MGT8022 Project-Based Management*				1, 3		1, 3	
ENG8111 Project Requirements Management		2		2			
Schedule B: Elective courses							
Students must complete two of the courses in this schedule							
ENG8103 Management of Technological Risk				2			
ENG8104 Asset Management in an Engineering Environment				1			
ENG8205 Technology Management Practice				2			
MGT8025 Project Scope, Time and Cost Management				1			

Footnotes

* It is strongly recommended that students enrol in [MGT8022](#) prior to, or at the same time as, enrolling in subsequent project management courses.

Notes:

Some courses may be offered on-campus at Springfield.

Road Engineering Major recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (WEB)		
	Year	Sem	Year	Sem	Year	Sem	
Schedule A: Core Course							
Students must complete the two course in this schedule							
CIV5704 Road and Street Engineering				2			
ENG8104 Asset Management in an Engineering Environment				1			
Schedule B: Elective courses							
Students must complete two of the courses in this schedule							
AGR3304 Soil Science				1			
ECO8012 Tools and Techniques for Sustainable Development				2		2	
ENG8103 Management of Technological Risk				2			
ENG8205 Technology Management Practice				2			
ENV3105 Hydrology				2			Pre-requisite: ENG2102 or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCNS or PGCN or GDNS or MENS
ENV4204 Environmental Technology				1			Pre-requisite: MAT1100 or MAT1500 or Students must be enrolled in one of the following programs: GCEN or GDET or METC or MENS or GCNS or GDNS or MSST
GIS3404 Geographic Data Visualisation				1			