

Postgraduate Certificate of Engineering (PGCN) - PGradCertEng

This program is offered to continuing students. No new admissions will be accepted after the Semester 2, 2015 intake. Students who are interested in this area should consider the [Graduate Certificate of Advanced Engineering](#)

	External	Online
Semester intake:	No new admissions	No new admissions
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 part-time	
Program articulation:	From: Bachelor of Engineering (Honours) To: Master of Advanced Engineering	

Notes:

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

Contact us

Current students
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

The Postgraduate Certificate of Engineering is not accredited by any professional bodies other than the University of Southern Queensland.

Program objectives

Students who successfully complete the Postgraduate Certificate of 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, 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 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. Students are able to calculate the fees for a particular course via the [Course Fee Finder](#).

Program structure

The Postgraduate Certificate of 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

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

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

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. Specialist software is required for some courses.

Articulation

Students who complete this program are eligible to articulate into the [Master of Advanced 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).

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	
Schedule A: Core Course							
Students must complete the course in this schedule							
CIV8801 Code-Based Structural Design							1
Schedule B: Elective courses							
Students must complete three of the courses in this schedule							
CIV8802 Advanced Prestressed Concrete []]							2
CIV8803 Advanced 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 PGCN or METC or MEPR or GCNS or GDNS or MENS or MENC or MAEN							
CIV8804 Advanced Design Practice using Finite Element Analysis							2
ENG8104 Asset Management in an Engineering Environment				1			
ENG8208 Advanced Engineering Project Management				1			

Footnotes

] Offered Odd Years Only

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	
Schedule A: Core Course							
Students must complete the two courses 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 Project Management Practice				2			
ENG8207 Technological Innovation and Development				2			
ENG8208 Advanced Engineering Project Management				1			

Footnotes

This course will not be available in 2015. [ECO8012](#) can be undertaken in lieu.

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	
Schedule A: Core Course							
Students must complete the two courses in this schedule							
MGT8022 Project-Based Management *					1, 3		1, 3
ENG8111 Project Requirements Management					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 Project Management Practice					2		
MGT8025 Project Scope, Time and Cost Management					1		1
ENG8208 Advanced Engineering Project 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

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	
Schedule A: Core Course							
Students must complete the two courses in this schedule							
CIV5704 Road and Street Engineering					2		
CIV5705 Pavement Design and Analysis					1		Pre-requisite: CIV3703 or Students must be enrolled in one of the following Programs: GCNS or GDNS or MENS or PGCN or G CAE or MEPR
Schedule B: Elective courses							
Students must complete two of the courses in this schedule							
ENG8206 Whole of Life Facilities Management					2		
FIN5003 Decision Support Tools					1,3		1,3
ENG8103 Management of Technological Risk					2		
ENG8104 Asset Management in an Engineering Environment					1		
ENG8205 Project Management Practice					2		

Consult the Handbook on the Web at <http://www.usq.edu.au/handbook/current> for any updates that may occur during the year.
 (DISCONTINUED) Postgraduate Certificate of Engineering (PGCN) - PGradCertEng (2021)

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	
MGT8028 Project Tendering and Contracting				1		1	
ENG8208 Advanced Engineering Project Management				1			