

Graduate Diploma of Engineering Science (GDNS) - Grad Dip Eng Sci

CRICOS code (International applicants): 067688J

	On-campus+*	External
Semester intake:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) 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:	1 year full-time or 2 years part-time	
Program articulation:	From: Graduate Certificate of Engineering Science , To: Master of Engineering Science	

Footnotes

- + International students on-campus: Semester 1 entry only for the Agricultural Engineering, Electrical and Electronic Engineering, Mechanical Engineering and Power Engineering specialisations. International on-campus students are not eligible for entry in Semester 2.
- * One year full-time study is only available for Semester 1 entry.

Contact us

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualificationsA

Program structure

The Graduate Diploma of Engineering Science comprises eight single unit academic courses as follows:

Schedule A: Four courses (four units)

Schedule B: Four specialisation courses (four units)

Required time limits

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

Specialisation

The specialisation study provides students with knowledge and skills in a specific discipline. The specialisation study areas in the Graduate Diploma of Engineering Science are:

- Agricultural Engineering
- Applied Telecommunications
- Civil Engineering
- Electrical and Electronic Engineering
- Environmental Engineering
- Geographic Information Systems
- Mechanical Engineering
- Power Engineering
- Structural Engineering
- Surveying

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

Enrolment

Students should note that some of the courses specify enrolment requirements (prerequisites). Students should therefore refer to the [Course Specification](#) section 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.

Agricultural Engineering specialisation 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.

Applied Telecommunications specialisation 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.

Specialisation: Civil Engineering (Specialisation Study Code: 16207)							
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 B: Specialisation Courses Students must complete four of the courses listed in this schedule.							
CIV3403 Geotechnical Engineering ⁺		2				2	Pre-requisite: CIV2401 or CIV2403 or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or GDNS or MENS
CIV3505 Structural Analysis		1				1	Pre-requisite: MEC2402 and (MAT1502 or ENM1600 or MAT1102) or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or GDNS or MENS
CIV4508 Structural Design II		1				1	Pre-requisite: CIV3505 and CIV3506 or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or GDNS or MENS
CIV5705 Pavement Design and Analysis		1				1	Pre-requisite: CIV3703 or Students must be enrolled in one of the following Programs: GCNS or GDNS or MENS or PGCN or GCAE or MEPR
ENG3104 Engineering Simulations and Computations		2				2	Pre-requisite: (ENM2600 or MAT2100 or MAT2500) or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCNS or GDNS or MENS
ENM2600 Advanced Engineering Mathematics		1				1	Pre-requisite: ENM1600 or Students must be enrolled in one of the following Programs: GCEN or METC or MENS or GDNS or MEPR
ENV3104 Hydraulics II		1				1	Pre-requisite: ENV1101 or ENV2103 or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or GDNS or MENS
ENV4203 Public Health Ef		2				2	Pre-requisite: ENV1101 or ENV2103 or Students must be enrolled in one of the follow

Specialisation: Geographical Information Systems (Specialisation Study Code: 16210)

							Enrolment require

Specialisation: Mechanical Engineering (Specialisation Code: 1000)					Course Code:
Course	Year of study and semester	On-campus (C)	Extended (EXT)	Online (ONL)	Prerequisites
	Year	Year	Sem	Year	
MEC3403 Dynamics II					GCEN or METC or GCNS or GDNS or MEPR or MENS Pre-requisite: (MEC2401 and (MAT2500 or ENM2600)) or Students must be enrolled in one of the following Programs: GCEN or MEPR or GCNS or GDNS

Power Engineering specialisation 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.

