

Diploma of Engineering and Spatial Science Foundations (DESF) - DipESSF

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should consider the [FDUS Foundation Diploma of University Studies](#) which will be offered from Semester 2, 2016.

	Online #
Start:	No new admissions
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	1 year full-time, 3 years part-time
Program articulation:	To: Associate Degree of Engineering , ; Associate Degree of Spatial Science ,

Notes:

Details of the Engineering and Spatial Science on-campus and distance mode offerings can be obtained from undergraduate Engineering programs.

Footnotes

The first four courses are compulsory and are only available online.

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

Program aims

The principal aim of this program is to equip students with the necessary skills to successfully respond to the numeracy, literacy, and e-literacy demands of both higher education studies and the professional workplace, as well as assisting students to successfully manage the complexities of life/work balance. The diploma program provides students with a broad introduction to engineering and spatial science as a science and profession, and the concepts of systems and real world teamwork. Problem solving skills, and advanced mathematical and physics competencies are developed and the program will appeal to those who want to enhance and develop their broad study skills prior to sampling a range of engineering and spatial science courses in order to determine whether to embark on a more specialised associate degree program from the Faculty of Health, Engineering and Sciences.

Program objectives

On the successful completion of the Diploma of Engineering and Spatial Science Foundations graduates will have:

- demonstrated an ability to successfully pursue an associate degree program of study in the Faculty of Health, Engineering and Sciences
- acquired sufficient knowledge about engineering and surveying programs of study to make an informed choice about further undergraduate study in the Faculty of Health, Engineering and Sciences
- developed an enhanced awareness of the nature of study in the Faculty of Health, Engineering and Sciences
- developed foundation engineering knowledge, skills and competencies in a series of first year engineering degree courses

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

There is no specified minimum educational achievement entrance standard.

Normally, to be eligible for enrolment in the program a person will have attained an age of at least 18 years in the year of the proposed enrolment.

Students will need to complete the online application form for entry to the Diploma Programs. All applicants are required to complete online diagnostic tests in Mathematics, e-literacy, and English Communication Skills. Applicants will then be given advice detailing whether the Diploma Program is the most appropriate pathway for them to undertake. Some students may be advised to undertake the [Tertiary Preparation Pathway](#).

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

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a [student contribution amount](#), which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the [Course Fee Schedules](#).

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

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, external or online. Students are able to calculate the fees for a particular course via the [Course Fee Schedules](#).

Program structure

This program consists of four core courses followed by four courses of specialisation in Engineering and/or Spatial Science. Students must successfully complete the four core courses before they will be enrolled in the four courses of specialisation.

Core courses

There are four compulsory courses:

- [DIP1000 E-Literacy for Contemporary Society](#)
- [DIP1001 Academic and Professional English](#)
- [DIP1002 Strategies for Successful Study](#)
- [DIP1003 Essential Mathematics](#)

[DIP1000 E-Literacy for Contemporary Society](#) and [DIP1002 Strategies for Successful Study](#) are co-requisites: they must be studied together, and they must be the first courses undertaken.

For part-time students, [DIP1001 Academic and Professional English](#) and [DIP1003 Essential Mathematics](#) must be studied after [DIP1000](#) and [DIP1002](#). All four courses can be taken in a single semester for those pursuing full-time studies.

Foundation Studies in Engineering and Spatial Sciences courses

After completing the four compulsory courses students can select four courses from the following selection:

- [CIV1500 Applied Mechanics](#)
- [ENG1002 Introduction to Engineering and Built Environment Applications](#)
- [ENG1101](#)
- [ENM1500 Introductory Engineering Mathematics](#)
- [ENG1100 Introduction to Engineering Design](#)
- [SVY1500 Spatial Science for Engineers](#)
- [MEC1201 Engineering Materials](#)
- [SVY1110 Introduction to Global Positioning System](#)

To maximise future credit and articulation into an Associate Degree program in the Faculty of Health, Engineering and Sciences, students should choose courses that are relevant to that Associate Degree program.

Program completion requirements

To successfully complete the Diploma of Engineering and Spatial Science Foundations students must successfully complete the four compulsory core courses, and also four courses of specialisation.

Required time limits

Students have a maximum of three years to complete this program.

IT requirements

Students must have reliable and ready access to email and the Internet. Broadband access is required for the four compulsory core courses. Students should have access to a scanner for [DIP1003 Essential Mathematics](#). For information technology requirements, please see the [minimum computing standards](#).

Students undertaking the Diploma of Engineering and Spatial Science Foundations must complete the four compulsory courses first. The recommended enrolment pattern is as follows:

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	
DIP1000 E-Literacy for Contemporary Society					1	1,2,3	
DIP1001 Academic and Professional English					1	1,2,3	
DIP1002 Strategies for Successful Study					1	1,2,3	
DIP1003 Essential Mathematics					1	1,2,3	
Plus the four Engineering and Spatial Science courses referred to in the Program Structure.							