

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

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 Engineering and Surveying.

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

Admission requirements

International applicants must have a minimum entry level of IELTS 6.0 or equivalent.

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

This program consists of four core courses followed by four courses of specialisation. 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 Faculty of Engineering courses from the following selection:

- [CMS1000 Communication and Scholarship](#)
- [ENG1002 Introduction to Engineering and Spatial Science Applications](#)
- [ENG1101 Introduction to Engineering Problem Solving](#)
- [ENG1500 Engineering Fundamentals](#)
- [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 Engineering and Surveying, 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