Overview

The Graduate Diploma of Engineering Science program is designed for engineers and graduates wishing to develop and expand their knowledge and skills in their current area of expertise.* This will enable students to meet or maintain professional accreditation standards and to provide opportunities for continuing professional development, as well as the opportunity to interact with those at the cutting edge of their discipline.

Students will add breadth to their knowledge of engineering in general and expand their knowledge and skills in engineering management. Students will develop their technical knowledge and ability to analyse engineering problems. They will also gain further skills in solving engineering problems and justifying professional decisions.

(* It is also possible for students to acquire knowledge and skills in a different specialisation at the approval of the Stream Authority. This may require the student to take additional foundation and disciplinary knowledge courses at the discretion of the Stream Authority.)

The program is designed to enable students to fulfil a number of needs including:

- Updating technical knowledge and skills in an existing engineering specialisation.
- Acquiring new knowledge and skills in a different engineering specialisation.
- Developing and expanding knowledge and skills in engineering management.
- Updating qualifications and knowledge to meet or maintain professional accreditation standards.
- Providing opportunities for continuing professional development.
- Providing opportunities for interaction with those at the cutting edge of the discipline.
- Providing a pathway towards the Masters program.
**Faculty**
Faculty of Engineering

**Campus**
Kensington

**Study Level**
Postgraduate

**Typical duration**
1 Years

**Delivery Mode**
Face-to-face, Distance, Research

**Intake Period**
Term 1, Term 2, Term 3

**Academic Calendar**
3+ Calendar

**Minimum Units of Credit**
48

**Award type**
Graduate Diploma

**Award(s)**
Graduate Diploma in Engineering Science - **GradDipEngSc**

**CRICOS Code**
084279G
Program Structure

Students must complete 48 UOC as a standalone program.

Specialisation Requirements

Students must complete at least one of the specialisations below.

SPECIALISATION:

CEICMS | 48 UOC
Chemical Process Engineering (5341)

CVENAT | 48 UOC
Civil Engineering (5341)

CVENBT | 48 UOC
Transport Engineering (5341)

CVENDT | 48 UOC
Environmental Engineering (5341)

CVENET | 48 UOC
Project Management (5341)

CVENHT | 48 UOC
Water Engineering: catchments to coasts (5341)

CVENJT | 48 UOC
Water, Wastewater and Waste Engineering (5341)

CVENST | 48 UOC
Geotechnical Engineering and Engineering Geology (5341)

CVENWS | 48 UOC
Structural Engineering (5341)
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<th>Code</th>
<th>UOC</th>
<th>Program</th>
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<tr>
<td>ELECQS</td>
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<td>Electrical Engineering (5341)</td>
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<td>ELECRS</td>
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<td>Energy Systems (5341)</td>
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<td>MECHZS</td>
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**Sample Programs**

To access sample program(s), please visit:
Enrolment Disclaimer

Unless advised otherwise by your program authority, you should follow the rules for the handbook for the year you commenced your program. You are also responsible for ensuring you enrol in courses according to your program requirements. myUNSW enrolment checks that you have met enrolment requirements such as pre-requisites for individual courses but not that a course will count towards your program requirements.
Admission Requirements

Entry Requirements

In order to be admitted to the program students need a recognised four year Bachelor degree in a relevant discipline of engineering with a minimum 65% average.

NOTE: The minimum average required for entry is as determined by the UNSW Postgraduate Entry Score Calculator. Students from a non-211 university in China need a minimum 70% average.

Those without such a qualification are required to argue their prior learning is equivalent to this qualification. For example, a 3- or 4-year Bachelor of Engineering or Science combined with relevant discipline experience (exact positions and roles that will be considered relevant to be decided by each specialisation) may be recognised.

A student may apply for credit towards the program. For example, a student with a 4-year engineering honours degree could obtain a maximum of 24UOC of advanced standing. Applications for credit should be addressed to the Stream Authority (see relevant school site for further details).

For more information about admission requirements for various UNSW programs, visit the following website(s):

Domestic Students
International Student
Program Requirements

Progression Requirements

The courses in each specialisation form an articulated sequence. Students who complete the Graduate Diploma program may upgrade to the Masters program with full credit for the courses undertaken, provided they have completed the previous program at UNSW. A credit average (65) is generally required to articulate to the next level in the sequence. Students who have enrolled in the Graduate Diploma will be permitted to exit with a lower qualification in the specialisation sequence providing they have completed the requirements of that program. Subject to the approval of the program authority and available places, students will be permitted to transfer to another specialisation with credit transfer being subject to the requirements of the specialisation into which the student is transferring.

For more information on university policy on progression requirements please visit Academic Progression.
Pathways

Articulation Arrangements

Other program(s) within articulated suite:

Graduate Certificate in Engineering Science - GradCertEngSc
7320 Engineering Science

Faculty: Faculty of Engineering
Campus: Kensington
Units of Credit: 24
Typical Duration: 0.7 Years

Read More

Master of Engineering Science - MEngSc
8338 Engineering Science

Faculty: Faculty of Engineering
Campus: Kensington
Units of Credit: 96
Typical Duration: 2 Years

Read More
Additional Information

Computing Requirements

All software required for coursework is provided on the computers in the School computer laboratories. Some students find it advantageous to buy their own computer and software so that they can work at home. Some external courses may require students to own their own computer with Microsoft Office or equivalent. Specialist software packages that are required for external courses will be provided as part of the course pack to students.

All programs are available on a full-time or part-time basis. The part-time mode will usually require students to enrol in a minimum of 18 UOC over three consecutive sessions.
Program Fees

At UNSW fees are generally charged at course level and therefore dependent upon individual enrolment and other factors such as student's residency status. For generic information on fees and additional expenses of UNSW programs, click on one of the following:

Domestic Students
Commonwealth Supported Students
International Students

Additional Expenses

Field projects, site visits and industry seminars or lectures are a requirement of some courses and may involve additional expense.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179