Overview

The Faculty of Engineering offers a two year Masters Degree program. The program comprises streams leading to a Master of Engineering. Flexibility and choice are maintained throughout the two year program by providing many elective courses. It serves as an entry point for students to move into the engineering profession.

This degree is offered in the following specialisations (streams):

- Civil Engineering
- Electrical Engineering
- Environmental Engineering
- Mechanical Engineering
- Telecommunications
- Mining
- Renewable
- Petroleum

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

- Acquiring in-depth knowledge within a chosen discipline.
- Deeper project experience.
- Increased technical confidence across selected research discipline(s).
- Developing and expanding knowledge and skills in engineering management.
- Providing opportunities for continuing professional development.
- Providing students with flexible pathways for completion of courses and a master degree qualification.
- Updating qualifications and knowledge to meet/ maintain professional accreditation standards.
<table>
<thead>
<tr>
<th><strong>Faculty</strong></th>
<th>Faculty of Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Campus</strong></td>
<td>Kensington</td>
</tr>
<tr>
<td><strong>Study Level</strong></td>
<td>Postgraduate</td>
</tr>
<tr>
<td><strong>Typical duration</strong></td>
<td>2 Years</td>
</tr>
<tr>
<td><strong>Delivery Mode</strong></td>
<td>Face-to-face</td>
</tr>
<tr>
<td><strong>Intake Period</strong></td>
<td>Term 1, Term 2, Term 3</td>
</tr>
<tr>
<td><strong>Academic Calendar</strong></td>
<td>3+ Calendar</td>
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<tr>
<td><strong>Minimum Units of Credit</strong></td>
<td>96</td>
</tr>
<tr>
<td><strong>Award type</strong></td>
<td>Masters (Coursework)</td>
</tr>
<tr>
<td><strong>Award(s)</strong></td>
<td>Master of Engineering - ME</td>
</tr>
<tr>
<td><strong>CRICOS Code</strong></td>
<td>067604G</td>
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Program Structure

Students must complete 96 UOC as a standalone program.

The program structure includes:
- 36 UoC professional development electives (all fourth year BE Honours courses) - disciplinary courses
- 30 UoC postgraduate specialisation electives - advanced disciplinary courses
- 12 UoC engineering and technical management
- 12 UoC compulsory postgraduate project - research/capstone, advanced disciplinary
- 6 UoC compulsory postgraduate design course - design, advanced disciplinary
- 60 days of industrial training in the relevant discipline.

Specialisation Requirements

Students must complete at least one of the specialisations below.

**SPECIALISATION:**

CVENLT | 96 UOC
Environmental Engineering (8621)

CVENYS | 96 UOC
Civil Engineering (8621)

ELECAS | 96 UOC
Electrical Engineering

MECHBS | 96 UOC
Mechanical Engineering (8621)

MINEYS | 96 UOC
Mining Engineering (8621)

PTRLLS | 96 UOC
Petroleum Engineering (8621)
Industrial Experience

Students must complete a minimum of 60 days of Industrial Training to graduate. Industrial Training must be undertaken concurrently with enrolment in the program.

For more information on Industrial Training, please visit https://www.engineering.unsw.edu.au/study-with-us/engineering-students-industrial-training

Sample Programs

To access sample program(s), please visit:

Engineering

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

Entry into this Master's program requires the completion of a 4-year non-accredited (under the Washington Accord) Bachelor of Engineering degree (or equivalent) in a cognate discipline. Alternatively, eligible applicants include those who hold a 3-year Engineering Science degree in a cognate discipline, at least equivalent to the first three years of an Engineering degree accredited under the Washington accord. A minimum 75% average, or equivalent, over the duration of the qualifying Bachelor's degree is also required. A pathway for entry into the program for graduates from both 4-year Bachelor of Engineering degrees in non-cognate disciplines, and 3-year Bachelor of Science degrees, exists via enrolment first into the Bachelor of Engineering (BE) program, where advanced standing (to a maximum of 2 years) may be granted.

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

Domestic Students
International Student
Program Requirements

Recognition of Prior Learning

No advanced standing will be allowed in this program. At the discretion of the program authority, students with relevant and sufficient background in any of the professional or disciplinary electives may be granted exemption for specified courses and allowed to substitute additional advanced disciplinary electives.

Progression Requirements

Progression rules are in accordance with university policy.

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

Internships and Placements

A requirement for the program is the completion of 60 days of industrial experience in the relevant discipline, preferably in Australia. Students who have already completed such industrial experience may be granted an exemption.
Professional Outcomes

Accreditations

Professional institutes that offer accreditation on completion of this program:

- Engineers Australia

This degree with specialisations in Civil Engineering, Electrical Engineering, Environmental Engineering and Telecommunications is accredited by Engineers Australia (2014). This degree with specialisation in Mechanical Engineering is provisionally accredited by Engineers Australia (2015) and specialisations in Mining Engineering, Petroleum Engineering and Renewable Energy Engineering are provisionally accredited by Engineers Australia (2020).

Professional Recognition

Graduates may apply to Engineers Australia for membership. Further information may be found on engineersaustralia.org.au
Recognition of Achievement

Award with Excellence

The Award with Excellence is awarded in coursework masters programs, including Masters (Extension) but with the exception of Masters (Extended) such as JD and MD, when a Weighted Average Mean (WAM) of at least 80% has been achieved and at least 50% of the requirements of the award are completed at UNSW. All eligible programs will award 'with Excellence' except in special circumstances where approval of Academic Board has been given for a program to opt out.

For more information, please visit:

Current Students Award with Excellence
**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.

**Award of Degrees**

A student who completes the requirements for the degree shall receive at graduation a testamur for the degree of Master of Engineering.

**Administration of Programs**

A student's program will be administered by the relevant school within the Faculty of Engineering.
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
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