Double Degree

Engineering (Honours) / Engineering Science

3773

This dual award program gives students the chance to develop their skills and knowledge in two areas - the major area of interest leading to a Bachelor of Engineering (Honours) degree plus an additional area leading to a Bachelor of Engineering Science degree. Students have a pathway to enhance their professional opportunities through developing cross-disciplinary skills and knowledge within a five year program.

With this dual degree program, students take the 168 units of credit core of the Bachelor of Engineering (Honours) 3707 and the 96 units of credit core of the Bachelor of Engineering Science program 3706. Because of the overlap of 24 units of credit of engineering courses in both cores, the total units of credit required for completion is 240 UOC, rather than 264 UOC. The Faculty of Engineering administers the program, and delegates administration to the School which offers the Engineering discipline selected. Students should seek advice from the relevant School Office in the first instance or from the Faculty of Engineering Student Centre.
Faculty
Faculty of Engineering

Campus
Kensington

Study Level
Undergraduate

Typical duration
5 Years

Intake Period
Term 1, Term 3

Academic Calendar
3+ Calendar

Minimum Units of Credit
240

Award(s)
Bachelor of Engineering (Honours) - BE (Hons)
Bachelor of Engineering Science - BEngSc

UAC Code
425401

CRICOS Code
087947G
Learning Outcomes

Graduate Capabilities:

For more information on Graduate Capabilities, please click on this link.
Stand Alone Programs

Click on the link below to find out more about each individual program.

Program 3707
Engineering (Honours)

Program 3706
Engineering Science
Double Degree Structure

Students must complete 240 UOC.

Bachelor of Eng (Honours) - 168 UOC
Bachelor of Eng Sci program - 96 UOC
Eng courses double counted across both programs - 24 UOC

Students enrolled in program 3773 can only take the following specialisation combinations:

CVENAH Civil - CVENK1 Environmental*
CVENAH Civil - MINEC1 Mining*
CVENBH Environmental - CVENJ1 Civil*
CEICAH Chemical - PETRB1 Petroleum
ELECAH Electrical - MTRND1 Mechatronic
MINEAH Mining - CVENJ1 Civil Engineering*
MINEAH Mining - PETRB1 Petroleum
MRTNAH Mechatronic - ELECF1 Electrical
PETRAH Petroleum - CEICM1 Chemical
PETRAH Petroleum - CVENJ1 Civil
PETRAH Petroleum - ELECF1 Electrical
PETRAH Petroleum - MECHD1 Mechanical
PETRAH Petroleum - MINEC1 Mining
* available for direct entry on admission. All other combinations are only available for transfer following 1 year of satisfactory performance in a UNSW Engineering program.

Majors

3707 - Engineering (Honours)

Students must complete at least one of the specialisations below.

HONOURS:

AEROAH | 168 UOC
Aerospace Engineering

BINFAH | 168 UOC
Bioinformatics Engineering
<table>
<thead>
<tr>
<th>Department</th>
<th>UOC</th>
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</thead>
<tbody>
<tr>
<td>Chemical Engineering</td>
<td>168</td>
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<tr>
<td>Chemical Product Engineering</td>
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</tr>
<tr>
<td>Computer Engineering</td>
<td>168</td>
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<tr>
<td>Civil Engineering</td>
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<tr>
<td>Environmental Engineering</td>
<td>168</td>
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<tr>
<td>Electrical Engineering</td>
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<tr>
<td>Surveying</td>
<td>168</td>
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<tr>
<td>Geospatial Engineering</td>
<td>168</td>
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<tr>
<td>Mechanical and Manufacturing Engineering</td>
<td>168</td>
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<tr>
<td>Mechanical Engineering</td>
<td>168</td>
</tr>
<tr>
<td>Mining Engineering</td>
<td>168</td>
</tr>
</tbody>
</table>
Mechatronic Engineering

PETRAH | 168 UOC
Petroleum Engineering

SENGAH | 168 UOC
Software Engineering

SOLAAH | 168 UOC
Photovoltaics and Solar Energy

SOLABH | 168 UOC
Renewable Energy Engineering

TELEAH | 168 UOC
Telecommunications

**Specialisation Requirements**

3706 - Engineering Science

Students must complete at least one of the specialisations below.

Students enrolled in program 3773 can only take the following specialisation combinations:

CVENAH Civil - CVENK1 Environmental*
CVENAH Civil - MINEC1 Mining*
CVENBH Environmental - CVENJ1 Civil*
CEICAH Chemical - PETRB1 Petroleum
ELECAH Electrical - MTRND1 Mechatronic
MINEAH Mining - CVENJ1 Civil Engineering*
MRTNAH Mechatronic Engineering - ELECF1 Electrical
PETRAH Petroleum - CEICM1 Chemical
PETRAH Petroleum - CVENJ1 Civil
PETRAH Petroleum - ELECF1 Electrical
PETRAH Petroleum - MECHD1 Mechanical
PETRAH Petroleum - MINEC1 Mining

Combinations starred are available for direct entry on admission. All other
combinations are only available for transfer following 1 year of satisfactory performance in a UNSW Engineering program.

**MAJOR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>UOC</th>
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<tr>
<td>CEICM1</td>
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<tr>
<td>Chemical Engineering</td>
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<tr>
<td>CVENJ1</td>
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<tr>
<td>Civil Engineering</td>
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<td>PETRB1</td>
<td>96</td>
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<tr>
<td>Petroleum Engineering</td>
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</tbody>
</table>

**General Education**

3707 - Engineering (Honours)

Students must take 6 UOC of the following courses.

Note: Students completing the dual award Bachelor of Engineering (Honours)/Bachelor of Science in Computer Science complete 12 UOC of General Education courses in place of 12 UOC free electives from the Bachelor of Science in Computer Science.
any General Education course

**General Education**

3706 - Engineering Science

Students must take at least 6 UOC of the following courses.

any General Education course

**Level 3 Maturity Requirements**

3707 - Engineering (Honours)

Students must have completed 42 UOC before taking any of the following courses.

any level 3 course

**Level 4 Maturity Requirements**

3707 - Engineering (Honours)

Students must have completed 102 UOC before taking any of the following courses.

any level 4 course

**Available discipline combinations**

3773 - Engineering (Honours) / Engineering Science

Dual Program Combinations

- BE(Hons) Civil Engineering/BEngSc Environmental Engineering
- BE (Hons) Civil Engineering(Hons)/BEngSc Mining Engineering
- BE (Hons)Environmental Engineering/BEngSc Civil Engineering
- BE (Hons)Mining Engineering/BEngSc Civil Engineering

Dual Program Combinations for CURRENT students only

- BE (Hons) Petroleum Engineering/BEngSc Chemical Engineering
- BE (Hons) Chemical Engineering/BEngSc Petroleum Engineering
- BE (Hons) Petroleum Engineering/BEngSc Mining Engineering
- BE (Hons) Mining Engineering/BEngSc Petroleum Engineering
- BE (Hons) Petroleum Engineering/BEngSc Civil Engineering
- BE (Hons) Petroleum Engineering/BEngSc Electrical Engineering
- BE (Hons) Petroleum Engineering/BEng Sc Mechanical Engineering
Industrial Experience Requirement

3707 - Engineering (Honours)

Students must each complete at least 60 days approved industrial training concurrent with enrolment in the program.

Intra-Faculty Dual Awards

3707 - Engineering (Honours)

For intra-Faculty dual awards 3772 Engineering (Honours)/Computer Science and 3773 Engineering (Honours)/Engineering Science, 24 UOC are common and therefore counted towards both awards.

Sample Double Degree(s)

To access sample program(s), please visit:

3773 Engineering (Honours) / Engineering Science Sample Program

Please read the Double Degree Program rules as some specific rules apply to particular Double Degree combinations.

Enrolment Disclaimer

You are 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. Do not assume that because you have enrolled in a course that the course will be credited towards your program.
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