The Faculty of Engineering and the UNSW Business School offer a dual degree program which qualifies students for two degrees after five and a half years of successful study: the Bachelor of Engineering (Honours) and the Bachelor of Commerce. Honours may be completed in the area of your Commerce major by completing the additional separate 1 year 4501 BCom (Honours) program.
| **Faculty** | Faculty of Engineering  
| UNSW Business School |
| **Campus** | Kensington |
| **Study Level** | Undergraduate |
| **Typical duration** | 5.7 Years |
| **Academic Calendar** | 3+ Calendar |
| **Minimum Units of Credit** | 264 |
| **Award(s)** | Bachelor of Engineering (Honours) -  
| **BE (Hons)** |
| | Bachelor of Commerce -  
| **BCom** |
| **UAC Code** | 425900 |
| **CRICOS Code** | 053195A |
Learning Outcomes

3502 - Commerce

1. Business knowledge: Students will make informed and effective selection and application of knowledge in a discipline or profession, in the contexts of local and global business.

- Global Citizens
- Professionals
- Leaders
- Scholars

2. Problem solving: Students will define and address business problems, and propose effective evidence-based solutions, through the application of rigorous analysis and critical thinking.

- Leaders
- Professionals
- Global Citizens
- Scholars

3. Business communication: Students will harness, manage and communicate business information effectively using multiple forms of communication across different channels.

- Leaders
- Scholars
- Professionals
- Global Citizens

4. Teamwork: Students will interact and collaborate effectively with others to achieve a common business purpose or fulfil a common business project, and reflect critically on the process and the outcomes.

- Global Citizens
- Leaders
- Scholars

5. Responsible business practice: Students will develop and be committed to responsible business thinking and approaches, which are underpinned by ethical professional practice and sustainability considerations.

- Global Citizens
- Professionals

6. Global and cultural competence: Students will be aware of business systems in the wider world and actively committed to recognise and respect the cultural norms, beliefs and values of others, and will apply this knowledge to interact, communicate and work effectively in diverse environments.

- Leaders
- Global Citizens

7. Leadership development: Students will develop the capacity to take initiative, encourage forward thinking and bring about innovation, while effectively influencing others to achieve desired results.

- Leaders
- Scholars

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 3502
Commerce
Double Degree Structure

Students must complete 264 UOC.

Bachelor of Engineering (Honours) (168 UOC)
1. 168 UOC plus at least 60 days of approved Industrial Training experience
2. At least 48 UOC Disciplinary Knowledge and Enquiry-based Courses
3. 30-42 UOC Introductory Knowledge core courses
4. At least 12 UOC of elective courses
5. The balance of stream to consist of Foundation Disciplinary Knowledge Courses

Bachelor of Commerce (96 UOC)
1. Compulsory core courses (24 UOC)
2. Flexible core courses (24 UOC)
3. Major requirements (48 UOC)

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

CEICAH | 168 UOC
Chemical Engineering

CEICDH | 168 UOC
Chemical Product Engineering

COMPBH | 168 UOC
Computer Engineering
<table>
<thead>
<tr>
<th>Code</th>
<th>UOC</th>
<th>Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>CVENAH</td>
<td>168</td>
<td>Civil Engineering</td>
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<tr>
<td>CVENBH</td>
<td>168</td>
<td>Environmental Engineering</td>
</tr>
<tr>
<td>ELECAH</td>
<td>168</td>
<td>Electrical Engineering</td>
</tr>
<tr>
<td>GMATDH</td>
<td>168</td>
<td>Surveying</td>
</tr>
<tr>
<td>GMATEH</td>
<td>168</td>
<td>Geospatial Engineering</td>
</tr>
<tr>
<td>MANFBH</td>
<td>168</td>
<td>Mechanical and Manufacturing Engineering</td>
</tr>
<tr>
<td>MECHAH</td>
<td>168</td>
<td>Mechanical Engineering</td>
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<tr>
<td>MINEAH</td>
<td>168</td>
<td>Mining Engineering</td>
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<tr>
<td>MTRNAH</td>
<td>168</td>
<td>Mechatronic Engineering</td>
</tr>
<tr>
<td>PETRAH</td>
<td>168</td>
<td>Petroleum Engineering</td>
</tr>
<tr>
<td>SENGAH</td>
<td>168</td>
<td>Software Engineering</td>
</tr>
<tr>
<td>SOLAAH</td>
<td>168</td>
<td>Photovoltaics and Solar Energy</td>
</tr>
</tbody>
</table>

Photovoltaics and Solar Energy
Major Requirements: 48 UOC in an approved disciplinary stream containing at least 18 UOC at level 3. (Note that the 48 UOC includes the first disciplinary course(s) in the Core (Compulsory or Flexible). This means that, for the majority of majors, students will complete 42 UOC in specified disciplinary courses outside the core, (except for the Real Estate Studies major.)

Please Note:
- The Business Law major (TABLA1) is not available to students enrolled in 4733 Commerce/Law.
- Commerce/Education (secondary) 3462 students can only choose one major from:
  (a) Business Economics
  (b) Financial Economics
  (c) Business Strategy and Economic Management

MAJOR:

ACCTA1 | 48 UOC
Accounting

COMMF1 | 48 UOC
Real Estate Studies

ECONF1 | 48 UOC
Business Economics

ECONI1 | 48 UOC
Business Strategy & Econ Mngmt

ECONJ1 | 60 UOC
Business Core Courses

3502 - Commerce

Students must take 24 UOC of the following courses.

Please Note:
- Students in program Engineering, Advanced Mathematics, Science, Advanced Science and Computer Science combined with Commerce are not required to take ECON1203, as the requirements are being fulfilled by MATH courses within the non-commerce side of these programs. Hence students must complete another 6 UOC of UNSW Business School electives to fulfil the requirement for 96 UOC of UNSW
Business School courses within this double degree.
- Students should select the MATH or PSYC course required for their Science major. If a Science major does not require a MATH or PSYC course (for example the Pathology and Vision Science majors) or if the Science major does not require one of the statistics courses listed above, students should complete ECON1203. MATH and PSYC count towards Science and ECON1203 count towards Commerce. If you have completed a Science course that excludes ECON1203, then you will need to study another 6UOC of UNSW Business School elective in order to meet the 96UOC from the Business School requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT1501</td>
<td>6 UOC</td>
</tr>
<tr>
<td>Accounting and Financial Management 1A</td>
<td></td>
</tr>
<tr>
<td>ECON1101</td>
<td>6 UOC</td>
</tr>
<tr>
<td>Microeconomics 1</td>
<td></td>
</tr>
<tr>
<td>ECON1203</td>
<td>6 UOC</td>
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<tr>
<td>Business and Economic Statistics</td>
<td></td>
</tr>
<tr>
<td>MGMT1001</td>
<td>6 UOC</td>
</tr>
<tr>
<td>Managing Organisations and People</td>
<td></td>
</tr>
</tbody>
</table>

**Flexible Core Courses**

3502 - Commerce

Student must take at least 24 UOC of the following courses.

Please note:
- Commerce/Law 4733 student are not permitted to take TABL1710. Please choose another flexible core.
- Commerce/Media (PR and Advertising) 3559, MARK1012 is a shared course between B com and B media, by default, MARK1012 will always count towards the Commerce component and students will need to complete another Media elective to make up the required UOC for the Media component study.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT1511</td>
<td>6 UOC</td>
</tr>
<tr>
<td>Accounting and Financial Management 1B</td>
<td></td>
</tr>
<tr>
<td>COMM1000</td>
<td>6 UOC</td>
</tr>
<tr>
<td>Creating Social Change: From Innovation to Impact</td>
<td></td>
</tr>
</tbody>
</table>
ECON1102  |  6 UOC  
Macroeconomics 1

FINS1613  |  6 UOC  
Business Finance

INFS1602  |  6 UOC  
Digital Transformation in Business

MARK1012  |  6 UOC  
Marketing Fundamentals

MGMT1101  |  6 UOC  
Global Business Environment

TABL1710  |  6 UOC  
Business and the Law

**Business Free Electives**

3502 - Commerce

Student must complete 6 - 18UOC Business free electives dependant on their major to meet minimum 96 UOC Commerce program requirement.

any course offered by UNSW Business School

**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**

**Maximum Level 1 UOC**

3502 - Commerce

Students may complete up to a maximum of 60 UOC of level 1 courses for the Commerce component of the double degree.

**any course offered by UNSW Business School**

**Minimum Faculty UOC**

3502 - Commerce

Students must complete a minimum of 96 UOC of the following courses.

**any course offered by UNSW Business School**

**Economics Course Requirements**

3764 - Engineering (Honours) / Commerce

Students enrolled in the dual BE (Hons)/BCom program are not required to undertake either Quantitative Analysis for Business and Economics (ECON1202) or Business and Economic Statistics (ECON1203) as part of their Commerce component. Completion of the maths courses in the Engineering component of the dual degree are equivalent to these two courses.

**Industrial Experience Requirement**

3707 - Engineering (Honours)

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

**LEVEL 2 AND 3 MATURITY REQUIREMENTS**

3502 - Commerce

Student must have completed 24 UOC before taking any level 2 courses.
Student must have completed 48 UOC before taking any level 3 courses.
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