Computational Biology is the science of using biological data to develop algorithms and relations among various biological systems. The field draws on a range of computing disciplines including algorithms, databases, machine learning and big data for the purpose of developing methods to better analyse data from biology, and especially genomics. Honours in Computational Biology allows graduates from the BSc (Bioinformatics) to deepen their study of computer science and computational methods and apply these to a bioinformatics research project in the School of Computer Science and Engineering.
<table>
<thead>
<tr>
<th><strong>Faculty</strong></th>
<th>Faculty of Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>School</strong></td>
<td>School of Computer Science and Engineering</td>
</tr>
<tr>
<td><strong>Study Level</strong></td>
<td>Undergraduate</td>
</tr>
<tr>
<td><strong>Minimum Units of Credit</strong></td>
<td>48</td>
</tr>
<tr>
<td><strong>Specialisation Type</strong></td>
<td>Honours</td>
</tr>
</tbody>
</table>
Available in Program(s)

Program(s) in which this honours is available

Bachelor of Science (Honours) - BSc (Hons)

4515 Computer Science & Engineering (Honours)

Faculty: Faculty of Engineering
Campus: Kensington
Units of Credit: 48
Typical Duration: 1 Years
**Specialisation Structure**

Students must complete 48 UOC.

**Coursework**

Students must take at least 30 UOC of the following courses.

- any level 4 Bioinformatics course
- any level 4 Computer Science course
- any level 6 Computer Science course
- any level 9 Computer Science course

**Thesis**

Students must take 18 UOC of the following courses.

- COMP4961 | 6 UOC
  Computer Science Thesis A
- COMP4962 | 6 UOC
  Computer Science Thesis B
- COMP4963 | 6 UOC
  Computer Science Thesis C

**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.
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