Specialisation

Computer Science (eCommerce Systems)

COMPE1 | 96 Units of Credit

Overview

Businesses today conduct more and more of their work online, and there is a need for computing professionals who understand how to develop online systems, integrate them into the workflow of modern businesses, and build connections between businesses. eCommerce systems are typically built on top of database technology and run over the web, whether as user interfaces or as online services.

The Electronic Commerce stream in the Computer Science program exposes students to a range of core network, database and interface technologies, the principles behind them, and techniques for analysing them, and explores how these technologies might be used to create effective online services.
Faculty
Faculty of Engineering

School
School of Computer Science and Engineering

Study Level
Undergraduate

Minimum Units of Credit
96

Specialisation Type
Major
Available in Program(s)

Program(s) in which this major is available

Bachelor of Science - BSc
3778 Computer Science
Faculty: Faculty of Engineering
Campus: Kensington
Units of Credit: 144
Typical Duration: 3 Years
Specialisation Structure

Students must complete 96 UOC.

Core Courses

Students must take 72 UOC of the following courses.

COMP1511 | 6 UOC
Programming Fundamentals

COMP1521 | 6 UOC
Computer Systems Fundamentals

COMP1531 | 6 UOC
Software Engineering Fundamentals

COMP2511 | 6 UOC
Object-Oriented Design & Programming

COMP2521 | 6 UOC
Data Structures and Algorithms

COMP3311 | 6 UOC
Database Systems

COMP3900 | 6 UOC
Computer Science Project

COMP4920 | 6 UOC
Management and Ethics

MATH1081 | 6 UOC
Discrete Mathematics

One of the following:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>UOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH1131</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics 1A</td>
<td></td>
</tr>
<tr>
<td>MATH1141</td>
<td>6</td>
</tr>
<tr>
<td>Higher Mathematics 1A</td>
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<tr>
<td>One of the following:</td>
<td></td>
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<tr>
<td>MATH1231</td>
<td>6</td>
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<tr>
<td>Mathematics 1B</td>
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<tr>
<td>MATH1241</td>
<td>6</td>
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<tr>
<td>Higher Mathematics 1B</td>
<td></td>
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<tr>
<td>One of the following:</td>
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<tr>
<td>COMP3121</td>
<td>6</td>
</tr>
<tr>
<td>Algorithms and Programming Techniques</td>
<td></td>
</tr>
<tr>
<td>COMP3821</td>
<td>6</td>
</tr>
<tr>
<td>Extended Algorithms and Programming Techniques</td>
<td></td>
</tr>
</tbody>
</table>

**Computing Electives**

Students must complete 6 UOC of Computing courses (COMP3xxx or higher).

- any level 3 Computer Science course
- any level 4 Computer Science course
- any level 6 Computer Science course
- any level 9 Computer Science course

**Discipline Electives**

Students must take at least 18 UOC of the following courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>UOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP3511</td>
<td>6</td>
</tr>
<tr>
<td>Human Computer Interaction</td>
<td></td>
</tr>
</tbody>
</table>
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