Overview

Engineering software systems for managing and analysing large datasets derived from genomics experiments is a key application of bioinformatics. This course revolves around a guided team project for the design and implementation of a complex system bringing together a variety of tools and methods for analysing genomic data. Methodologies for requirement gathering, system design, project management and documentation will be applied. The project work will be complemented by lectures on algorithms for biological sequence analysis that form the basis of the project work.
<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>Offering Terms</strong></td>
<td>Term 2</td>
</tr>
<tr>
<td><strong>Campus</strong></td>
<td>Kensington</td>
</tr>
<tr>
<td><strong>Indicative contact hours</strong></td>
<td>6</td>
</tr>
<tr>
<td><strong>Timetable</strong></td>
<td>Visit timetable website for details</td>
</tr>
</tbody>
</table>
Conditions for Enrolment

Prerequisite: (COMP1531 or COMP2041) and BINF3010
Equivalent Courses

DESN2000 6 UOC
Engineering Design and Professional Practice

MMAN2100 6 UOC
Engineering Design 2

CVEN3031 6 UOC
Civil and Environmental Engineering Practice

SOLA2052 6 UOC
Project in Photovoltaics and Renewable Energy 2

COMP2111 6 UOC
System Modelling and Design

ELEC2142 6 UOC
Embedded Systems Design
Course Outline

To access course outline, please visit:

BINF6111 Course Outline
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)
© UNSW Sydney (CRICOS Provider No.: 00098G), 2019. The information contained in this Handbook is indicative only. While every effort is made to keep this information up-to-date, the University reserves the right to discontinue or vary arrangements, programs and courses at any time without notice and at its discretion. While the University will try to avoid or minimise any inconvenience, changes may also be made to programs, courses and staff after enrolment. The University may also set limits on the number of students in a course.

Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179