Overview

The stream is designed for students who are completing the Masters of Biomedical Engineering program as a single-award program.
<table>
<thead>
<tr>
<th><strong>Faculty</strong></th>
<th>Faculty of Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>School</strong></td>
<td>Graduate School of Biomedical Engineering</td>
</tr>
<tr>
<td><strong>Study Level</strong></td>
<td>Postgraduate</td>
</tr>
<tr>
<td><strong>Minimum Units of Credit</strong></td>
<td>72</td>
</tr>
<tr>
<td><strong>Specialisation Type</strong></td>
<td>Specialisation</td>
</tr>
</tbody>
</table>
Available in Program(s)

Program(s) in which this specialisation is available

Master of Biomedical Engineering - MBiomedE
8660 Biomedical Engineering
Faculty: Faculty of Engineering
Campus: Kensington
Units of Credit: 72
Typical Duration: 1.7 Years
**Specialisation Structure**

Students must complete 72 UOC.

**Biomedical Engineering Courses**

Students must take at least 48 UOC, up to a maximum of 72 UOC of the following courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>UOC</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOM9027</td>
<td>6</td>
<td>Medical Imaging</td>
</tr>
<tr>
<td>BIOM9311</td>
<td>6</td>
<td>Mass Transfer in Medicine</td>
</tr>
<tr>
<td>BIOM9332</td>
<td>6</td>
<td>Biocompatibility</td>
</tr>
<tr>
<td>BIOM9333</td>
<td>6</td>
<td>Cellular and Tissue Engineering</td>
</tr>
<tr>
<td>BIOM9410</td>
<td>6</td>
<td>Regulatory Requirements of Biomedical Technology</td>
</tr>
<tr>
<td>BIOM9420</td>
<td>6</td>
<td>Clinical Laboratory Science</td>
</tr>
<tr>
<td>BIOM9450</td>
<td>6</td>
<td>Biomedical and Health Informatics</td>
</tr>
<tr>
<td>BIOM9541</td>
<td>6</td>
<td>Mechanics of the Human Body</td>
</tr>
<tr>
<td>BIOM9551</td>
<td>6</td>
<td>Biomechanics of Physical Rehabilitation</td>
</tr>
</tbody>
</table>
BIOM9561 | 6 UOC
Mechanical Properties of Biomaterials

BIOM9621 | 6 UOC
Biological Signal Analysis

BIOM9640 | 6 UOC
Biomedical instrumentation

BIOM9650 | 6 UOC
Biosensors and Transducers

BIOM9660 | 6 UOC
Bionics and Neuromodulation

BIOM9701 | 6 UOC
Dynamics of the Cardiovascular System

BIOM9711 | 6 UOC
Modelling Organs, Tissues and Devices

GSOE9712 | 6 UOC
Engineering Statistics and Experiment Design

**Electives**

Students can take up to a maximum of 24 UOC of the following courses with written approval prior to enrolment.

Note: For students with an engineering or physical sciences background ANAT2511 Fundamentals of Anatomy, PHSL2121 Principles of Physiology 1A and PHSL2221 Principles of Physiology 1B are highly recommended.

ANAT2511 | 6 UOC
Fundamentals of Anatomy

any course
any level 9 Engineering course

PHSL2121  |  6 UOC  
Principles of Physiology A

PHSL2221  |  6 UOC  
Principles of Physiology B

**Project**

Students can take up to a maximum of 12 UOC of the following courses.

BIOM9914  |  12 UOC  
Masters Project

**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
© 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