Bachelor of Science (BP004)
MJD Engineering Science - Biomedical Engineering Specialisation - Commencing: Semester 1, 2020
Course Study Plan with Bridging MATH1722 (missing Maths Specialist ATAR)
(Second major taken from outside Science)

** Offered in Both Semesters Broadening

<table>
<thead>
<tr>
<th>Year 1</th>
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<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td>MATH1722 <strong>Mathematics Foundations: Specialist</strong></td>
<td>ENSC1004** Engineering Materials**&lt;br&gt;Prereq: (Chem ATAR or CHEM1003) &amp; (Phys ATAR or PHYS1030)</td>
<td>IMED1001 Form and Function&lt;br&gt;Prereq: enrolment in EngSc (Biomed Eng) major</td>
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<td>Broadening/Elective/2nd major</td>
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<td><strong>Semester 2</strong></td>
<td>MATH1011** Multivariable Calculus**&lt;br&gt;Prereq: Math SpecialistATAR or MATH1722</td>
<td>ENSC1003** Intro to Professional Engineering**</td>
<td>CITS2401** Computer Analysis &amp; Visualisation**</td>
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<td>Broadening/2nd major</td>
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<th>Year 2</th>
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<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td>MATH1012** Mathematical Theory &amp; Methods**&lt;br&gt;Prereq: Math SpecialistATAR or MATH1722</td>
<td>ENSC2003** Eng. Electrical Fundamentals**&lt;br&gt;Prereq: (Phys ATAR or PHYS1030) &amp; MATH1011 Co-req: MATH1012</td>
<td>ENSC3002 Materials and Manufacturing&lt;br&gt;Prereq: ENSC1004</td>
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<td>Elective/2nd major</td>
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<td><strong>Semester 2</strong></td>
<td>ENSC2004** Engineering Mechanics**&lt;br&gt;Prereq: (Phys ATAR or PHYS1030) &amp; MATH1011</td>
<td>PHYL2002 Physiology of Cells&lt;br&gt;APS: 12 pts of any L1 biology type units including human biology, biology, sports science, biomedical (IMED) and especially SCI1106</td>
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<td>Elective</td>
<td>Elective/2nd major</td>
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<th>Year 3</th>
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<tr>
<td><strong>Semester 1</strong></td>
<td>ENSC3021 Circuits and Electronics&lt;br&gt;Prereq: ENSC2003 &amp; MATH1011</td>
<td>SSEH3355 Biomechanical Principles&lt;br&gt;Prereq: Any Level 2 Eng Sc unit</td>
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<td>Elective/2nd major</td>
<td>Elective/2nd major</td>
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<td><strong>Semester 2</strong></td>
<td>ENSC3015 Signals and Systems&lt;br&gt;Prereq: CITS2401, ENSC2003 &amp; MATH1012</td>
<td>ENSC3023 Biomedical Engineering&lt;br&gt;Prereq: ENSC1004, ENSC2004 &amp; PHYL2002</td>
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<td>Elective/2nd major</td>
<td>Elective/2nd major</td>
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** Bachelor of Science (BP004)**  
MJD Engineering Science - Biomedical Engineering Specialisation - Commencing: Semester 1, 2020  
First Year Study Plan with Bridging CHEM1003 (missing Chemistry ATAR)  
(Second major taken from outside Science)

** Offered in Both Semesters  Broadening**

<table>
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| **Semester 1** | **CHEM1003** Introductory Chemistry | **ENSC1003** Intro to Professional Engineering | **IMED1001** Form and Function  
Prereq: enrolment in EngSc (Biomed Eng) major | Broadening /Elective/2<sup>nd</sup> major |
| **Semester 2** | **MATH1011** Multivariable Calculus  
Prereq: Maths Specialist ATAR or MATH1722 | **ENSC1004** Engineering Materials  
Prereq: (Chem ATAR or CHEM1003) & (Phys ATAR or PHYS1030) | **CITS2401** Computer Analysis & Visualisation | Broadening/Elective/2<sup>nd</sup> major |

Follow MATH1722 bridging plan in Year 2

This study plan is an example of a full-time load of four units per semester.

The standard minimum completion time for a bachelor’s degree is three years. The maximum completion time is 10 years.

For more details about the Engineering Science major, please check out the [UWA Handbook](#).

For course advice, find out which Student Office you are assigned to via [studentConnect](#).
Bachelor of Science (BP004)  
MJD Engineering Science - Biomedical Engineering Specialisation - Commencing: Semester 1, 2020  
First Year Study Plan with Bridging PHYS1030 (missing Physics ATAR)  
(Second major taken from outside Science)

** Offered in Both Semesters  
Broadening

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| Semester 1 | PHYS1030**  
Bridging Physics | ENSC1003**  
Intro to Professional Engineering | IMED1001  
Form and Function  
Prereq: enrolment in EngSc (Biomed Eng) major | Broadening/Elective/  
2nd major |
| Semester 2 | MATH1011**  
Multivariable Calculus  
Prereq: Maths Specialist ATAR or MATH1722 | ENSC1004**  
Engineering Materials  
Prereq: (Chem ATAR or CHEM1003) & (Phys ATAR or PHYS1030) | CITS2401**  
Computer Analysis & Visualisation | Broadening/Elective/  
2nd major |

Follow MATH1722 bridging plan in Year 2

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