Information for First Year Students:

Bachelor of Mechatronic Engineering / Master of Biomedical Engineering – 3768

<table>
<thead>
<tr>
<th>Semester 1</th>
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<tr>
<td>ENGG1000 Engineering Design &amp; Innovation</td>
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| MATH1131 Mathematics 1A  
OR  
MATH1141 Higher Mathematics 1A |  |
| *First Year Elective: recommended  
CHEM1001 Introductory Chemistry  
OR  
CHEM1011 Chemistry A |  |
| PHYS1121 Physics 1A  
OR  
PHYS1131 Higher Physics 1A |  |

**Which Maths course should I choose?**

**MATH1131 Mathematics 1A** is recommended for students who did HSC Mathematics Extension 1. If your HSC Maths + Maths Extension 1 mark is over 100, or your Extension 1 + 2 mark is over 100 then this is the course for you. If you achieved a mark over 85 in HSC Mathematics and want or need to take Mathematics 1A, then discuss this with one of the Mathematics and Statistics Advisors. For marks lower than this, we strongly recommend that you do the Mathematics Bridging Course.

**MATH1141 Higher Mathematics 1A** is recommended for student who did well in Mathematics Extension 2 or who did exceptionally well in Maths Extension 1. If your Extension 1 + 2 mark is over 175 we encourage you to do Higher Mathematics.

**Which Chemistry course should I choose?**

**CHEM1001 Introductory Chemistry** is recommended for students entering University with little or no previous background in Chemistry.

**CHEM1011 Chemistry A** is recommended for students who have completed HSC Chemistry who wish to study chemistry in more depth.

**Which Physics course should I choose?**

**PHYS1121 Physics 1A** is recommended for students who have completed HSC Physics and Mathematics Extension 1 or equivalent. If you have not reached this level of physics and mathematics you should consider doing a bridging course or start with PHYS1111. (Be aware that doing a fundamentals course may extend your degree duration).

**PHYS1131 Physics Higher Physics 1A** is recommended for those students who achieved high results in HSC Physics and Mathematics Extension 1 or equivalent. PHYS1131 covers the same content as PHYS1121 but features more advanced assessment.