# Program Plan

**Newstep – Pathways for programs in Engineering, IT or Built Environment**

**Commencing in 2019**  
**Studying at Callaghan & Ourimbah**

If you are interested in an undergraduate program in *Engineering, IT or the Built Environment*, the recommended courses listed below will help to prepare you for your chosen degree program. It is important to note that apart from the core courses, these are *recommendations* only and you may enrol in *any* available directed course. The core courses must be completed.

### Bachelor of Computer Science

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
</table>
| **EPHUMA122**  
Academic Literacies 1 | **EPHUMA123**  
Academic Literacies 2 |
| **EPMATH124**  
Advanced Mathematics 1 | **EPMATH125**  
Advanced Mathematics 2 |
| **EPSCIE120**  
Studies in Science |  |
| **EPINFO150**  
Information Technology | **EPHUMA123**  
Academic Literacies 2 |
| **EPMATH125**  
Advanced Mathematics 2 |  |
| **EPPHYS308** (20 units)  
Physics (Callaghan only) |
| **EPCHEM314** (20 units)  
Introduction to Chemistry and the Life Sciences |
| **EPBIOL340** (20 units)  
Environmental Science |

### Bachelor of Information Technology

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| **EPHUMA122**  
Academic Literacies 1 | **EPHUMA123**  
Academic Literacies 2 |
| **EPINFO150**  
Information Technology | **EPMATH125**  
Advanced Mathematics 2 |
| **EPMATH126**  
Fundamental Mathematics | **EPHUMA123**  
Academic Literacies 2 |
| **DIRECTED**  
Choose 1 x 10 unit course of your choice | **EPMATH127**  
Applied Mathematics |
| **EPMATH127**  
Applied Mathematics | **DIRECTED**  
Choose 1 x 20 unit course of your choice |

### Bachelor of Information Technology/Bachelor of Business

<table>
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<tr>
<th>Semester 1</th>
<th>Semester 2</th>
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| **EPHUMA122**  
Academic Literacies 1 | **EPHUMA123**  
Academic Literacies 2 |
| **EPINFO150**  
Information Technology | **EPMATH125**  
Advanced Mathematics 2 |
| **EPMATH126**  
Fundamental Mathematics | **EPHUMA123**  
Academic Literacies 2 |
| **DIRECTED**  
Choose 1 x 10 unit course of your choice | **EPHUMA123**  
Academic Literacies 2 |
| **EPMATH127**  
Applied Mathematics | **EPMANC320** (20 units)  
Business Organisation and Management |

### Program Plan Key:  

\[\text{=}\] Core  
\[\text{\triangledown}\] Directed  

Information correct as of October 2018 and subject to change.  
Program Code: 10141 & 10885
<table>
<thead>
<tr>
<th>Semester 1</th>
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<tbody>
<tr>
<td><strong>Bachelor of Construction Management (Building) (Honours)</strong></td>
<td><strong>Bachelor of Design (Architecture)</strong></td>
</tr>
<tr>
<td>EPHUMA122 Academic Literacies 1</td>
<td>EPHUMA123 Academic Literacies 2</td>
</tr>
<tr>
<td>EPMATH126 Fundamental Mathematics</td>
<td>EPMATH127 Advanced Mathematics</td>
</tr>
<tr>
<td>EPHUMA155 Applied Legal Studies</td>
<td><strong>EPMANC320 (20 Units)</strong> Business Organisation and Management</td>
</tr>
<tr>
<td>EPARTS190 Design Drawing</td>
<td><strong>DIRECTED</strong> Choose 1 x 10 unit course of your choice</td>
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**Bachelor of Design (Architecture)**

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<tr>
<td><strong>DIRECTED</strong> Choose 1 x 10 unit course of your choice</td>
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**Bachelor of * **

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<td>EPMATH124 Advanced Mathematics 1</td>
<td>EPMATH125 Advanced Mathematics 2</td>
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<tr>
<td>EPSCIE120 Studies in Science</td>
<td><strong>EPPHYS308 (20 units)</strong> Physics (Callaghan only) <strong>OR</strong> <strong>EPCHEM314 (20 units)</strong> Introduction to Chemistry and the Life Sciences</td>
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<td><strong>DIRECTED</strong> Choose 1 x 20 unit course of your choice</td>
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Program Plan Key:  
- = Core  
- = Directed

Information correct as of October 2018 and subject to change.  
Program Code: 10141 & 10885
To successfully complete the Newstep program students must pass 80 units (a maximum of 40 units in each semester) including:

- Core Courses – 20 units
- Directed Courses - 60 units (including one 20 unit course in Semester 2)
- Please refer to the Newstep Handbook for specific information in relation to the program structure http://www.newcastle.edu.au/degrees/newstep

Need a refresher or a bit of extra help in some areas? Why not try a FREE UON Prep Bridging Course, they normally run for 15 hours across one week on campus or some are available online and run for 3 weeks.

- PREP9500: Surviving Stats: Statistics for Tertiary Studies
- PREP8000: Writing Academic Essays
- PREP8400: Essential UON Computing
- PREP8500: Advanced UON Computing
- PREP7900: Foundation Chemistry
- PREP7800: Foundation Mathematics
- PREP9300: Introduction to Undergraduate Mathematics
- PREP7600: Academic Survival Skills
- PREP1000: Academic Survival Skills online
- PREP9000: Foundation Physics