# Bachelor of Engineering (Electrical, Computer, Telecommunications)/Bachelor of Science
## Course Checklist
### UOW Course Code: 739

**Student Name:** ............................................................. **Student No:** .....................................

### Year 1
- **ECTE171** Electrical Engineering Practice  
  Autumn
- **CSCI191** Engineering Programming 1  
  Autumn
- **MATH187** Mathematics 1: Algebra and Differential Calculus  
  Autumn
- **PHYS141** Fundamentals of Physics A  
  Autumn
- **ECTE170** Introduction to Circuits and Devices  
  Spring
- **CSCI192** Engineering Programming 2  
  Spring
- **MATH188** Mathematics 2: Series and Integral Calculus  
  Spring
- **PHYS142** Fundamentals of Physics B  
  Spring

### Year 2
- **ECTE202** Circuits and Devices  
  Annual
- **ECTE233** Digital Hardware  
  Autumn
- **ECTE222** Power Engineering 1  
  Autumn
- **MATH201** Multivariate and Vector Calculus  
  Autumn
- **ECTE203** Signals and Systems  
  Spring
- **ENGG291** Engineering Fundamentals  
  Spring
- **MATH202** Differential Equations 2  
  Spring
- **Science Subjects (12CP)**  
  Autumn/Spring

### Year 3
- **ECTE250** Engineering Design and Management 2  
  Annual
- **ECTE344** Control Theory  
  Autumn
- **ECTE363** Communication Systems  
  Autumn
- **STAT231** Probability and Random Variables  
  Spring
- **ECTE212** Electronics  
  Spring
- **Science Subjects (24CP)**  
  Autumn/Spring

### Year 4 (ALL Majors)
- **ECTE333** Microcontroller Architecture and Applications  
  Annual
- **ECTE350** Engineering Design and Management 3  
  Annual
- **ECTE301** Digital Signal Processing  
  Autumn
- **ECTE364** Data Communications  
  Spring
- **ECTE399** Professional Experience (12 weeks)  
  Autumn/Spring
- **Science Subjects (24CP)**  
  Autumn/Spring
- **see major (below)**  
  Spring

### Year 4 – Electrical Engineering Major
- **ECTE323** Power Engineering 2  
  Spring

### Year 4 – Computer Engineering Major
- **CSCI213** Java Programming and Applications  
  Spring

### Year 4 – Telecommunications Engineering Major
- **ISIT201** Information and Communication Security  
  Spring

---

*Updated 21 January 2013*
<table>
<thead>
<tr>
<th>Year 5</th>
<th>Engineering Project 1</th>
<th>Autumn/Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECTE451</td>
<td>HONOURS: Engineering Project 2 (12 CP)</td>
<td>Autumn/Spring</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECTE458</td>
<td>PASS DEGREE: Elective Subject</td>
<td>Autumn/Spring</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECTE459</td>
<td>PASS DEGREE: Elective Subject</td>
<td>Autumn/Spring</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ECTE...... Elective Subject Autumn/Spring

............. Science Subject (6CP) Autumn/Spring

<table>
<thead>
<tr>
<th>Year 5 – Electrical Engineering Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECTE..... Major Subject Autumn/Spring</td>
</tr>
<tr>
<td>ECTE..... Major Subject Autumn/Spring</td>
</tr>
<tr>
<td>ECTE..... Major Subject Autumn/Spring</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 5 – Computer Engineering Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECTE432 Major Subject: Computer Architecture Autumn/Spring</td>
</tr>
<tr>
<td>ECTE..... Major Subject Autumn/Spring</td>
</tr>
<tr>
<td>ECTE..... Major Subject Autumn/Spring</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4 – Telecommunications Engineering Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECTE469 Major Subject: Queuing Theory and Optimisation Autumn/Spring</td>
</tr>
<tr>
<td>ECTE..... Major Subject Autumn/Spring</td>
</tr>
<tr>
<td>ECTE..... Major Subject Autumn/Spring</td>
</tr>
</tbody>
</table>

*General Schedule Subjects are selected from the General Schedule and may be 100/200/300/400-level (excluding ECTE181, ECTE182, ECTE282 and ECTE283) and are subject to the approval of the Head of School or nominee.

Note: Programs can be subject to change without notice. Students should check the Course Handbook and Subject Database each year for a list of Major and Elective subjects.

Notes: .................................................................................................................................................................
.................................................................................................................................................................
.................................................................................................................................................................

Adviser Name: ....................................................... Date: .................................................................

Updated 21 January 2013