This study plan should be used to guide enrolment for the current academic year. Some students may need to modify their enrolment based on previous study (e.g. students granted advanced standing/credit, students repeating previously failed courses).

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>S1</th>
<th>MATHS 1011 Mathematics IA (3 units)#</th>
<th>C&amp;ENVENG 1010 Engineering Mechanics - Statics (3 units)</th>
<th>C&amp;ENVENG 1008 Engineering Planning &amp; Design IA (3 units)</th>
<th>COMP SCI 1201 Introduction to Programming for Engineers (3 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S2</td>
<td></td>
<td>MATHS 1012 Mathematics IB (3 units)</td>
<td>MECH ENG 1007 Engineering Mechanics - Dynamics (3 units)</td>
<td>C&amp;ENVENG 1009 Civil &amp; Environmental Engineering IA (3 units)</td>
<td>COMP SCI 1102 Object Oriented Programming (3 units)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>YEAR 2</td>
<td>S1</td>
<td>MATHS 2201 Engineering Maths IIA (3 units)</td>
<td>C&amp;ENVENG 2068 Environmental Engineering &amp; Sustainability II (3 units)</td>
<td>C&amp;ENVENG 2025 Strength of Materials IIA (3 units)</td>
<td>C&amp;ENVENG 2071 Water Engineering IIA (3 units)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S2</td>
<td></td>
<td>MATHS 2202 Engineering Maths IIB (3 units)</td>
<td>C&amp;ENVENG 2069 Geotechnical Engineering IIA (3 units)</td>
<td>C&amp;ENVENG 2072 Structural Engineering Design (3 units)</td>
<td>COMP SCI 2103 Algorithm Design &amp; Data Structures (3 units)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>YEAR 3</td>
<td>S1</td>
<td>C&amp;ENVENG 3007 Structural Design III (Steel) (3 units)</td>
<td>C&amp;ENVENG 3001 Structural Mechanics IIIA (3 units)</td>
<td>C&amp;ENVENG 3077 Engineering Hydrology (3 units)</td>
<td>COMP SCI 2000 Computer Systems (3 units)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S2</td>
<td></td>
<td>C&amp;ENVENG 2067 Construction, Management &amp; Surveying (3 units)</td>
<td>C&amp;ENVENG 3012 Geotechnical Engineering Design III (3 units)</td>
<td>C&amp;ENVENG 3005 Structural Design III (Concrete) (3 units)</td>
<td>COMP SCI 2201 Algorithm &amp; Data Structure Analysis (3 units)</td>
</tr>
<tr>
<td>YEAR 4</td>
<td>S1</td>
<td>C&amp;ENVENG 3029 Engineering Modelling &amp; Management (3 units) or CHEM ENG 4051 Water &amp; Wastewater Engineering (3 units)</td>
<td>Level II or III Computer Science Course (3 units)*</td>
<td>Level III Computer Science Course (3 units)*</td>
<td>Level III Computer Science Course (3 units)*</td>
</tr>
<tr>
<td>--------</td>
<td>----</td>
<td>-------------------------------------------------</td>
<td>---------------------------------</td>
<td>---------------------------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>S2</td>
<td>C&amp;ENVENG 3079 Water Engineering &amp; Design III S2 (3 units)</td>
<td>C&amp;ENVENG 3221 Research Project (Part A): Methodologies &amp; Management (3 units)</td>
<td>Level III Computer Science Course (3 units)*</td>
<td>COMP SCI 3006 Software Engineering &amp; Project (3 units)</td>
<td></td>
</tr>
<tr>
<td>YEAR 5</td>
<td>S1</td>
<td>C&amp;ENVENG 4222 Research Project (Part 1): Civil (3 units)</td>
<td>C&amp;ENVENG 4034 Engineering Management IV (3 units)</td>
<td>Engineering Elective course (3 units)</td>
<td>Engineering Elective course (3 units)</td>
</tr>
<tr>
<td>S2</td>
<td>C&amp;ENVENG 4223 Research Project (Part 2): Civil (6 units)</td>
<td></td>
<td>Engineering Elective course (3 units)</td>
<td></td>
<td>C&amp;ENVENG 4068 Computer Methods of Structural Analysis (3 units)</td>
</tr>
</tbody>
</table>

**CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES**

**SEMESTER 1**

- C&ENVENG 4112 Advanced Civil Geotechnical Engineering (3 units) GEOTECHNICAL
- C&ENVENG 4073 Water Distribution Systems & Design (3 units) WATER ENGINEERING
- C&ENVENG 4069 Advanced Reinforced Concrete (3 units) STRUCTURAL ENGINEERING

**WINTER**

- C&ENVENG 4114 Hydrological Modelling & Water Resources Management (3 units) WATER ENGINEERING
- C&ENVENG 4113EX Christchurch Earthquake Study Tour (3 units) STRUCTURAL ENGINEERING

**SEMESTER 2**

- C&ENVENG 4110 Environmental Engineering & Design IVC (3 units) ENVIRONMENTAL ENGINEERING
- C&ENVENG 4107 Prestressed Concrete Structures (3 units) STRUCTURAL ENGINEERING
- C&ENVENG 4115 Flood Estimation & Modelling (3 units) WATER ENGINEERING
- C&ENVENG 4109 Environmental Engineering & Design IVB (3 units) ENVIRONMENTAL ENGINEERING
SUMMER SCHOOL | C&ENVENG 4106 Introduction to Geostatistics (3 units) |  
| GEOTECHNICAL |  

*Level III Computer Science courses may be chosen from those listed in the Program Rules for the degree of Bachelor of Mathematical and Computer Sciences.

#Students who have not passed SACE Stage 2 Specialist Maths are required to enrol in MATHS 1013 Mathematics IM as a prerequisite to enrolling in MATHS 1011 Mathematics IA. The satisfactory completion of MATHS 1013 Mathematics IM is in addition to the normal requirements of this program. Students may manage their enrolment by enrolling in MATHS 1013 Mathematics IM in semester 1, followed by MATHS 1011 Mathematics IA in semester 2, and MATHS 1012 Mathematics IB in summer school.

**RESEARCH PROJECT INFORMATION**

NOTE: There is a Project Allocation process to determine which Research Project a student will undertake. This process takes place at the beginning of each calendar year (during January). As soon as possible, upon completion of your enrolment, students are advised to email enquiries@civeng.adelaide.edu.au to request the link to the Project Allocation Information and Application, and to submit their application as instructed.

Students should NOT approach Academic staff independently requesting additional/alternative Research Project topics.

**Students should undertake at least two electives from the Structural, Geotechnical or Water Engineering groups and may only undertake one Mining Engineering elective in any one year.**