2022 Study Plan  
Bachelor of Engineering (Honours) (Environmental & Climate Solutions)  
with Bachelor of Science - Semester 1 Start

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Core Courses</th>
<th>Double Degree Courses</th>
<th>Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| S 1 | MATHS 1011  
Mathematics IA | ENG 1003  
Programming (Matlab and Excel) | ^ENG 1001  
Introduction to Engineering | CEME 1001  
Introduction to Environmental Engineering |
| S 2 | MATHS 1012  
Mathematics IB | ENV BIOL 1002  
Ecological Issues I | CEME 1002  
Introduction to Infrastructure | CEME 1003  
Resources and Energy in a Circular Economy |

| **Year 2** | | | | |
| S 1 | MATHS 2106  
Differential Equations for Engineers II | CEME 2003  
Civil Engineering Hydraulics | CEME 2004  
Introduction to Geo-Engineering | #Level I Science Elective |
| S 2 | MATHS 2107  
Statistics & Numerical Methods II | CEME 2006  
Climate & Environmental Change Impact Modelling | CEME 2005  
Transportation Engineering & Survey | #Level I Science Elective |

| **Year 3** | | | | |
| S 1 | ENG 3004  
Systems Engineering and Industry Practice | CEME 3004  
Hydrology for Engineers | GEOG 2129  
Introductory Geographic Information Systems | CHEM ENG 2017  
Transport Processes in the Environment |
| S 2 | ENG 3005  
Research Method & Project Management | CEME 3005  
Advanced Civil Engineering Hydraulics | CEME 3007  
Integrated Environment Planning & Impact Assessment | Environmental & Climate Solutions Elective (see elective table) |

**Internship**

All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies – see the note section below.

| **Year 4** | | | | |
| S 1 | ENG 4001A  
Research Project Part A | #Level II Science Elective | #Level II Science Elective | #Level II Science Elective |
| S 2 | ENG 4001B  
Research Project Part B | CEME 4010  
Designing Water Resource Systems for Urban Environments | CEME 4008  
Soil and Ground Water Remediation | #Level II Science Elective |

| **Year 5** | | | | |
| S 1 | Environmental & Climate Solutions Elective (see elective table) | #Level III Science Elective | #Level III Science Elective | #Level III Science Elective |
| S 2 | CEME 4009  
Decision Making for Sustainable Solutions | #Level III Science Elective | #Level III Science Elective | #Level III Science Elective |

---

^ Unless exempted, International students are required to take ENG 1011 Introduction to Engineering - EAL in lieu of ENG 1001 Introduction to Engineering.
CHOOSE FROM THE FOLLOWING ENVIRONMENTAL AND CLIMATE SOLUTIONS ELECTIVES

<table>
<thead>
<tr>
<th></th>
<th>Course Code</th>
<th>Course Title</th>
<th></th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>ENTREP 3006</td>
<td>Energy Management, Economics and Policy</td>
<td>S2</td>
<td>ENTREP 3000</td>
<td>Innovation and Creativity</td>
</tr>
<tr>
<td></td>
<td>GEOG 2139</td>
<td>Environmental Management</td>
<td></td>
<td>CEME 4006</td>
<td>Advanced Hydrology and Flood Hydraulics</td>
</tr>
<tr>
<td></td>
<td>MINING 4104</td>
<td>Socio-Environmental Aspects of Mining</td>
<td></td>
<td>GEOG 2135</td>
<td>Urban Futures</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>GEOG 2142</td>
<td>Climate Change</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>GEOLOGY 3502</td>
<td>Mineral and Energy Resources III</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LAW 2511</td>
<td>Environmental Law</td>
</tr>
<tr>
<td>SUMMER</td>
<td>ENTREP 3000</td>
<td>Innovation and Creativity</td>
<td>WINTER</td>
<td>ENTREP 3006</td>
<td>Energy Management, Economics and Policy</td>
</tr>
<tr>
<td></td>
<td>CEME 4005</td>
<td>Integrated Natural Hazard Risk Management</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTES

Internship: All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies. Internships are self-sourced and further information can be found on the Engineering Internships web page: https://ecms.adelaide.edu.au/study-with-us/student-support/internships/engineering.

Program Rules: For academic program rules please refer to the following website: https://calendar.adelaide.edu.au/faculty/ecms

# Science Electives may be chosen from courses listed in the Program Rules for the degree of Bachelor of Science. Students must complete a major in accordance with the Program Rules for the Bachelor of Science.

Information and Enrolment Advice:
Ask ECMS
Email: askecms@adelaide.edu.au
Website: https://ecms.adelaide.edu.au/study-with-us/student-support