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</th>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Level I Science Course (3 units)</th>
<th>Level II Science Courses (3 units)</th>
<th>Level III Science Courses (3 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>S1</td>
<td>C&amp;ENVENG 1010 Engineering Mechanics - Statics (3 units)</td>
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<tr>
<td></td>
<td>S2</td>
<td>CHEM ENG 1009 Materials I (3 units)</td>
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<tr>
<td>2</td>
<td>S1</td>
<td>MATHS 2201 Engineering Mathematics IIA (3 units)</td>
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<td></td>
<td>S2</td>
<td>MATHS 2202 Engineering Mathematics IIB (3 units)</td>
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<tr>
<td>3</td>
<td>S1</td>
<td>MECH ENG 3030 Structural Design &amp; Solid Mechanics (3 units) plus MECH ENG 3502 Level 3 Prac</td>
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<td></td>
<td>S2</td>
<td>MECH ENG 2019 Dynamics &amp; Control I (3 units) plus MECH ENG 2502 Level 2 Prac</td>
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</tbody>
</table>

*Course not available in 2015*
## YEAR 4

### SEMESTER 1
- **MECH ENG 4102** Advanced PID Control (3 units)
- **MECH ENG 4121** Materials Selection & Failure Analysis (3 units)
- **MECH ENG 4105** Advanced Vibrations (3 units)
- **MECH ENG 4111** CFD for Engineering Applications (3 units)
- **MECH ENG 4127** Wind Engineering (3 units)^
- **MECH ENG 4104** Advanced Topics in Fluid Mechanics (3 units)

### SEMESTER 2
- **CHEM ENG 4032** Composites & Multiphase Polymers (3 units)^
- **MECH ENG 4107** Airconditioning (3 units)
- **MECH ENG 4125** Stresses in Plates & Shells (3 units)^
- **MECH ENG 4114** Corrosion: Principles & Prevention (3 units)
- **MECH ENG 4115** Engineering Acoustics (3 units)
- **MECH ENG 4101** Biomechanical Engineering (3 units)

## YEAR 5

### SEMESTER 1
- **MECH ENG 4143A** Honours Project Part A (3 units) plus **MECH ENG 4501** Level 4 Prac
- **MECH ENG 3103** Manufacturing Engineering & Quality Systems (3 units)
- **MECH ENG 3105** Sustainability & the Environment (3 units)
- **MECH ENG 3101** Applied Aerodynamics (3 units) plus **MECH ENG 3502** Level 3 Prac

### SEMESTER 2
- **MECH ENG 4143B** Honours Project Part B (6 units) plus **MECH ENG 4502** Level 4 Prac
- **MECH ENG 3101** Applied Aerodynamics (3 units) plus **MECH ENG 3502** Level 3 Prac

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# 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.

Note: Students may present other elective courses as advised on Degree Finder.