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>
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<tbody>
<tr>
<td>S1</td>
<td>MATHS 1011 Mathematics IA (3 units)#</td>
<td>C&amp;ENVENG 1010 Engineering Mechanics - Statics (3 units)</td>
<td>MECH ENG 1100 Introduction to Mechanical Engineering (3 units)</td>
<td>ECON 1004 Principles of Microeconomics I (3 units)</td>
</tr>
<tr>
<td>S2</td>
<td>MATHS 1012 Mathematics IB (3 units)</td>
<td>MECH ENG 1006 Design Graphics &amp; Communication (3 units)</td>
<td>MECH ENG 1007 Engineering Mechanics - Dynamics (3 units)</td>
<td>CHEM ENG 1009 Materials I (3 units)</td>
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<tr>
<th>YEAR 2</th>
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<tbody>
<tr>
<td>S1</td>
<td>MATHS 2201 Engineering Mathematics IIA (3 units)</td>
<td>ELEC ENG 1009 Electrical &amp; Electronic Engineering IA (3 units)</td>
<td>MECH ENG 2100 Design Practice (3 units) plus MECH ENG 2501 Level 2 Prac</td>
<td>ECON 1000 Principles of Macroeconomics I (3 units)</td>
</tr>
<tr>
<td>S2</td>
<td>MATHS 2202 Engineering Mathematics IIB (3 units)</td>
<td>MECH ENG 2002 Stress Analysis &amp; Design (3 units) plus MECH ENG 2502 Level 2 Prac</td>
<td>MECH ENG 2019 Dynamics &amp; Control I (3 units) plus MECH ENG 2502 Level 2 Prac</td>
<td>MECH ENG 2101 Mechatronics IM (includes Workshop Practice) (3 units) plus MECH ENG 2502 Level 2 Prac</td>
</tr>
</tbody>
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<tr>
<th>YEAR 3</th>
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<tbody>
<tr>
<td>S1</td>
<td>MECH ENG 2020 Materials &amp; Manufacturing (3 units)</td>
<td>MECH ENG 2021 Thermo-Fluids I (3 units) plus MECH ENG 2501 Level 2 Prac</td>
<td>MECH ENG 3030 Structural Design &amp; Solid Mechanics (3 units) plus MECH ENG 3501 Level 3 Prac</td>
<td>MECH ENG 3103 Manufacturing Engineering &amp; Quality Systems (3 units)</td>
</tr>
<tr>
<td>S2</td>
<td>MATHS 2104 Numerical Methods II (3 units)</td>
<td>MECH ENG 3027 Engineering Systems Design &amp; Communication (3 units)</td>
<td>ECON 2506 Intermediate Microeconomics A II (3 units)</td>
<td>ECON 2507 Intermediate Macroeconomics II (3 units)</td>
</tr>
</tbody>
</table>

*course not available in 2014*
## YEAR 4
### S1
- ECON Level II Economics Courses (3 units)
- ECON Level III Economics Courses (3 units)
- ECON Level III Economics Courses (3 units)
- ECON 3509 International Economic History III (3 units)
### S2
- MECH ENG 4142A Design Project Part A or MECH ENG 4143A Honours Project Part A (3 units) plus MECH ENG 4501 Level 4 Prac
- MECH ENG 3105 Sustainability & the Environment (3 units)
- MECH ENG 3102 Heat Transfer & Thermodynamics (3 units) plus MECH ENG 3501 Level 3 Prac
### S3
- MECH ENG 4142B Design Project Part B or MECH ENG 4143B Honours Project Part B (6 units) plus MECH ENG 4502 Level 4 Prac
- MECH ENG 3028 Dynamics & Control II (3 units) plus MECH ENG 3502 Level 3 Prac

## YEAR 5
### S1
- MECH ENG 4102 Advanced PID Control (3 units)
- MECH ENG 4103 Advanced Computer Aided Engineering (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)
### S2
- CHEM ENG 4032 Composites and Multiphase Polymers (3 units)
- MECH ENG 4107 Airconditioning (3 units)
- MECH ENG 4109 Automotive Combustion, Powertrain & NVH (3 units)
- MECH ENG 4110 Automotive Vehicle Dynamics & Safety (3 units)
- MECH ENG 4114 Corrosion: Principles & Prevention (3 units)
- MECH ENG 4115 Engineering Acoustics (3 units)
- MECH ENG 4120 Fracture Mechanics (3 units)
- MECH ENG 4121 Materials Selection & Failure Analysis (3 units)
- MECH ENG 4125 Stress in Plates & Shells (3 units)^
- MECH ENG 4144 Renewable Fluid Power Technology (3 units)
- MECH ENG 4101 Biomechanical Engineering (3 units)
- TECHCOMM 3900 Entrepreneurs Challenge (3 units)

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^ course not available in 2014

Last Updated: 26/06/14
#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