For Advanced Standing - Office Use Only

Please mark the box to indicate advanced standing granted (use Conditional to denote conditional advanced standing)

Unspecified Elective Credit: | Level 1: | units | Level 2: | units | Level 3: | units | Level 4: | units
--- | --- | --- | --- | --- | --- | --- | --- | ---
Student ID Number: | | | | | | | | |
Student Name: | | | | | | | | | Date: 26/06/14
Assessor Name: | | | | | | | | | Advanced Standing Granted: | units | Remaining Program Duration: 4 years
Applicant’s Previous Institution: | | | | | | | | | Applicant’s Previous Qualification: |
Assessor’s Comments: | | | | | | | | |

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).

### Bachelor of Engineering (Mechanical & Sustainable Energy)

#### Year 1

- **S1**
  - C&ENVENG 1010 Engineering Mechanics - Statics (3 units)
  - ELEC ENG 1009 Electrical & Electronic Engineering IA (3 units)
  - MECH ENG 1105 Introduction to Sustainable Energy Engineering (3 units)
  - MATHS 1011 Mathematics IA (3 units)

- **S2**
  - CHEM ENG 1009 Materials I (3 units)
  - MECH ENG 1006 Design Graphics & Communication (3 units)
  - MECH ENG 1007 Engineering Mechanics - Dynamics (3 units)
  - MATHS 1012 Mathematics IB (3 units)

#### Year 2

- **S1**
  - ELEC ENG 3021 Electric Energy Systems (3 units)
  - MATHS 2201 Engineering Mathematics IIA (3 units)
  - MECH ENG 2021 Thermo-Fluids I (3 units) plus MECH ENG 2501 Level 2 Prac
  - MECH ENG 2100 Design Practice (3 units) plus MECH ENG 2501 Level 2 Prac

- **S2**
  - MATHS 2202 Engineering Mathematics IIB (3 units)
  - MECH ENG 2019 Dynamics and Control I (3 units) plus MECH ENG 2502 Level 2 Prac
  - MECH ENG 2002 Stress Analysis & Design (3 units) plus MECH ENG 2502 Level 2 Prac
  - MECH ENG 2101 Mechatronics IM (includes Workshop Practice) (3 units) plus MECH ENG 2502 Level 2 Prac

#### Year 3

- **S1**
  - DESST 3519 Advanced Architecture Technologies (3 units)
  - MECH ENG 3102 Heat Transfer & Thermodynamics (3 units) plus MECH ENG 3501 Level 3 Prac
  - MECH ENG 3105 Sustainability & the Environment (3 units)
  - TECHCOMM 3006 Energy Management, Economics & Policy (3 units)

- **S2**
  - MECH ENG 3027 Engineering Systems Design & Communication (3 units)
  - MECH ENG 3028 Dynamics & Control II (3 units) plus MECH ENG 3502 Level 3 Prac
  - CHEM ENG 4048 Biofuels, Biomass & Wastes (3 units)
  - MECH ENG 3101 Applied Aerodynamics (3 units) plus MECH ENG 3502 Level 3 Prac

^ course not available in 2014

Last Updated: 26/08/13
## FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES
### 2014 STUDY PLAN

<table>
<thead>
<tr>
<th>YEAR 4</th>
<th>S1</th>
<th>MECH ENG 4142A Design Project Part A or MECH ENG 4143A Honours Project Part A (3 units) plus MECH ENG 4501 Level 4 Prac</th>
<th>MECH ENG 4145 Sustainable Thermal Technologies (3 units)</th>
<th>MECH ENG 4112 Combustion Technology &amp; Emission Control (3 units) plus MECH ENG 4501 Level 4 Prac</th>
<th>Elective Course (3 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2</td>
<td>MECH ENG 4142B Design Project Part B or MECH ENG 4143B Honours Project Part B (6 units) plus MECH ENG 4502 Level 4 Prac</td>
<td>MECH ENG 4144 Renewable Fluid Power Technology (3 units)</td>
<td></td>
<td></td>
<td>Elective Course (3 units)</td>
</tr>
</tbody>
</table>

**CHOOSE FROM THE FOLLOWING ELECTIVES**

<table>
<thead>
<tr>
<th>SEMESTER 1</th>
<th>MECH ENG 4105 Advanced Vibrations (3 units)</th>
<th>MECH ENG 4111 CFD for Engineering Applications (3 units)</th>
<th>MECH ENG 4127 Wind Engineering (3 units)*</th>
<th>MECH ENG 4118 Finite Element Analysis of Structures (3 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MECH ENG 4104 Advanced Topics in Fluid Mechanics (3 units)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SEMESTER 2</th>
<th>MECH ENG 4120 Fracture Mechanics (3 units)</th>
<th>MECH ENG 4107 Airconditioning (3 units)</th>
<th>MECH ENG 4121 Materials Selection &amp; Failure Analysis (3 units)</th>
<th>MECH ENG 4115 Engineering Acoustics (3 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECHCOMM 3900 Entrepreneurs Challenge (3 units)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SUMMER SCHOOL</th>
<th>Technical electives</th>
<th>Technical electives</th>
<th>Technical electives</th>
<th>Technical electives</th>
</tr>
</thead>
</table>

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

# 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.