**FOR ADVANCED STANDING - OFFICE USE ONLY**

- Please mark the box to indicate advanced standing granted (use **CONDITIONAL** to denote conditional advanced standing).

<table>
<thead>
<tr>
<th>Unspecified Elective Credit:</th>
<th>Level 1: units</th>
<th>Level 2: units</th>
<th>Level 3: units</th>
<th>Level 4: units</th>
</tr>
</thead>
</table>

- **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).

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### BACHELOR OF ENGINEERING (MECHANICAL - COMPUTATIONAL)

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>S1</th>
<th>ELEC ENG 1009 Electrical &amp; Electronic Engineering IA (3 units)</th>
<th>MECH ENG 1100 Introduction to Mechanical Engineering (3 units)</th>
<th>MATHS 1011 Mathematics IA (3 units)</th>
<th>C&amp;ENVENG 1010 Eng Mechanics - Statics (3 units)</th>
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</thead>
<tbody>
<tr>
<td>S2</td>
<td>MECH ENG 1006 Design Graphics and Communication (3 units)</td>
<td>CHEM ENG 1009 Materials I (3 units)</td>
<td>MATHS 1012 Mathematics IB (3 units)</td>
<td>MECH ENG 1007 Engineering Mechanics - Dynamics (3 units)</td>
<td></td>
</tr>
</tbody>
</table>

| YEAR 2 | S1 | MECH ENG 2100 Design Practice (3 units) plus MECH ENG 2502 Level 2 Prac | MECH ENG 2021 Thermo-Fluids I (3 units) | APP MTH 2201 Engineering Mathematics IIA (3 units) | MECH ENG 2020 Materials & Manufacturing (3 units) |
| S2 | MECH ENG 2019 Dynamics & Control I (3 units) | MECH ENG 2002 Stress Analysis & Design (3 units) plus MECH ENG 2502 Level 2 Prac | MATHS 2202 Engineering Mathematics IIB (3 units) | MATHS 2104 Numerical Methods II (3 units) |

| YEAR 3 | S1 | MECH ENG 3102 Heat Transfer & Thermodynamics (3 units) | APP MTH 3014 Optimisation III (3 units) | APP MTH 3021 Modelling with Ordinary Differential Equations III (3 units) | MECH ENG 3030 Structural Design & Solid Mechanics (3 units) |
| S2 | MECH ENG 3028 Dynamics & Control II (3 units) plus MECH ENG 3502 Level 3 Prac | MECH ENG 3027 Engineering Systems Design & Communication (3 units) | C&ENVENG 3078 Engineering Management & Planning IIIA (3 units) | APP MTH 3023 Partial Differential Equations and Waves (3 units) |
# MECH ENG 4142A Design Project
- Part A or MECH ENG 4143A Engineering Project Part A (3 units)
- MECH ENG 4501 Level 4 Prac (plus)

# MECH ENG 4142B Design Project
- Part B or MECH ENG 4143B Engineering Project Part B (6 units)
- MECH ENG 4502 Level 4 Prac (plus)

## Elective Course (3 units)

### SEMESTER 1
- MECH ENG 4102 Advanced PID Control (3 units)
- MECH ENG 4124 Robotics M (3 units)
- CHEM ENG 4032 Composites & Multiphase Polymers (3 units)
- MECH ENG 4114 Corrosion: Principles & Prevention (3 units)
- MECH ENG 4144 Renewable Fluid Power Technology (3 units)

### CHOOSE FROM THE FOLLOWING ELECTIVES
- MECH ENG 4111 CFD for Engineering Applications (3 units)
- MECH ENG 4145 Sustainable Thermal Technologies (3 units)
- MECH ENG 4107 Airconditioning (3 units)
- MECH ENG 4115 Engineering Acoustics (3 units)
- MECH ENG 4101 Biomechanical Engineering (3 units)
- MECH ENG 4107 Airconditioning (3 units)
- MECH ENG 4115 Engineering Acoustics (3 units)
- MECH ENG 4101 Biomechanical Engineering (3 units)

### SEMESTER 2
- MECH ENG 4112 Combustion Technology & Emission Control (3 units)
- MECH ENG 4104 Advanced Topics in Fluid Mechanics (3 units)
- MECH ENG 4109 Automotive Combustion, Power Train & NVH (3 units)
- MECH ENG 4120 Fracture Mechanics (3 units)
- TECHCOMM 3900 Entrepreneurs Challenge (3 units)

### CHOOSE FROM THE FOLLOWING ELECTIVES
- MECH ENG 4118 Finite Element Analysis of Structures (3 units)
- MECH ENG 4110 Automotive Vehicle Dynamics & Safety (3 units)
- MECH ENG 4121 Materials Selection & Failure Analysis (3 units)
- TECHCOMM 3900 Entrepreneurs Challenge (3 units)

### Elective Course (3 units)