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>Unspecified Elective Credit:</th>
<th>Level 1:</th>
<th>Level 2:</th>
<th>Level 3:</th>
<th>Level 4:</th>
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# FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES
## 2014 STUDY PLAN

### YEAR 4
**S1**
- **CHEM ENG 3029 Materials Science & Engineering (3 units)**
- **Level II or III Computer Science Course (3 units)**
- **Level III Computer Science Course (3 units)**
- **COMP SCI 2000 Computer Systems (3 units)**

**S2**
- **CHEM ENG 3033 Separation Processes (3 units)**
- **COMP SCI 3006 Software Engineering & Project (3 units)**
- **Level III Computer Science Course (3 units)**

### YEAR 5
**S1**
- **CHEM ENG 4034 Professional Practice IV (3 units)**
- **CHEM ENG 4056 Research Practice (3 units)**
- **CHEM ENG 4050 Advanced Chemical Engineering (3 units)**
- **Engineering Elective Course (3 units)**

**S2**
- **CHEM ENG 4014 Plant Design Project (6 units)**
- **CHEM ENG 4054 Research Project or CHEM ENG 4055 Advanced Unit Operations Laboratory (3 units)**
- **Engineering Elective Course (3 units)**

### CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES

<table>
<thead>
<tr>
<th>SEMESTER 1</th>
<th>CHEM ENG 4059 Pyrometallurgy (3 units)</th>
<th>CHEM ENG 4046 Combustion Processes (3 units)</th>
<th>CHEM ENG 4053 Pinch analysis &amp; Process Synthesis (3 units)</th>
<th>CHEM ENG 4051 Water &amp; Waste Water Engineering (3 units)</th>
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<tr>
<td>SEMESTER 2</td>
<td>CHEM ENG 4048 Bio-Fuels, Biomass &amp; Wastes (3 units)</td>
<td>CHEM ENG 4058 Hydrometallurgy &amp; Electrometallurgy (3 units)</td>
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*Level III Computer Science courses may be chosen from those listed in the Program Rules for the degree of Bachelor of Mathematical and Computer Sciences

+ Students with a subject achievement grade of at least C+ in SACE Stage 2 Chemistry (or equivalent) must enrol in CHEM 1100 Chemistry IA and CHEM 1200 Chemistry IB. All other students must enrol into CHEM 1101 Foundations of Chemistry IA and CHEM 1201 Foundations of Chemistry IB.

#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.