FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES
2015 STUDY PLAN

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>
<tbody>
<tr>
<td>Student ID Number:</td>
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<tr>
<td>Assessor Name:</td>
<td></td>
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<tr>
<td>Applicant’s Previous Institution:</td>
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<tr>
<td>Applicant’s Previous Qualification:</td>
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<tr>
<td>Assessor’s Comments:</td>
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</table>

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 (HONOURS) (CHEMICAL) WITH BACHELOR OF FINANCE**

**YEAR 1**

<table>
<thead>
<tr>
<th>S1</th>
<th>MATHS 1011 Mathematics IA (3 units)#</th>
<th>CHEM 1100 Chemistry IA or CHEM 1101 Foundations of Chemistry IA (3 units)</th>
<th>CHEM ENG 1007 Introduction to Process Engineering (3 units)</th>
<th>ACCTING 1002 Accounting for Decision Makers I (3 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2</td>
<td>MATHS 1012 Mathematics IB (3 units)</td>
<td>CHEM 1200 Chemistry IB or CHEM 1201 Foundations of Chemistry IB (3 units)</td>
<td>CHEM ENG 1010 Professional Practice I (3 units)</td>
<td>CHEM ENG 1011 Introduction to Process Modelling (3 units)</td>
</tr>
</tbody>
</table>

**YEAR 2**

<table>
<thead>
<tr>
<th>S1</th>
<th>CHEM ENG 2010 Principles of Process Engineering (3 units)</th>
<th>CHEM ENG 2018 Process Fluid Mechanics (3 units)</th>
<th>MATHS 2201 Engineering Mathematics IIA (3 units)</th>
<th>ECON 1004 Principles of Microeconomics I (3 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2</td>
<td>CHEM ENG 2011 Process Engineering Thermodynamics (3 units)</td>
<td>CHEM ENG 2016 Professional Practice II (3 units)</td>
<td>CHEM ENG 2014 Process Heat Transfer (3 units)</td>
<td>ECON 1000 Principles of Macroeconomics I (3 units)</td>
</tr>
</tbody>
</table>

**YEAR 3**

<table>
<thead>
<tr>
<th>S1</th>
<th>CHEM ENG 3024 Professional Practice III (3 units)</th>
<th>CHEM ENG 3035 Multi-Phase Fluid &amp; Particle Mechanics (3 units)</th>
<th>CHEM ENG 3034 Kinetics &amp; Reactor Design (3 units)</th>
<th>ECON 1009 International Financial Institutions &amp; Markets I (3 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2</td>
<td>CHEM ENG 3036 Unit Operations Laboratory (3 units)</td>
<td>CHEM ENG 3030 Simulation &amp; Concept Design (3 units)</td>
<td>CHEM ENG 3031 Process Control &amp; Instrumentation (3 units)</td>
<td>CHEM ENG 3033 Separation Processes (3 units)</td>
</tr>
</tbody>
</table>

**YEAR 4**

| S1 | CHEM ENG 4034 Professional Practice IV (3 units) | CHEM ENG 4056 Research Practice (3 units) | CHEM ENG 4050 Advanced Chemical Engineering (3 units) | CORPFIN 2500 Business Finance II (3 units) |

^ course not available in 2015
## FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES
### 2015 STUDY PLAN

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2</td>
<td>CHEM ENG 4055 Advanced Unit Operations Laboratory&lt;br&gt;or CHEM ENG 4054 Research Project (3 units)</td>
<td>CORPFIN 2501 Financial Institutions Management II (3 units)</td>
</tr>
<tr>
<td>S1</td>
<td>CHEM ENG 3029 Materials Science &amp; Engineering (3 units)</td>
<td>CORPFIN 3501 Portfolio Theory &amp; Management III (3 units)</td>
</tr>
<tr>
<td>S2</td>
<td>CHEM ENG 4014 Plant Design Project (6 units)</td>
<td>Engineering Elective Course (3 units)</td>
</tr>
</tbody>
</table>

### CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM ENG 4059 Pyrometallurgy (3 units)</td>
<td>CHEM ENG 4046 Combustion Processes (3 units)</td>
</tr>
<tr>
<td>CHEM ENG 4046 Combustion Processes (3 units)</td>
<td>CHEM ENG 4053 Pinch Analysis &amp; Process Synthesis (3 units)</td>
</tr>
<tr>
<td>CHEM ENG 4046 Combustion Processes (3 units)</td>
<td>CHEM ENG 4058 Hydrometallurgy &amp; Electrometallurgy (3 units)</td>
</tr>
<tr>
<td>CHEM ENG 4058 Hydrometallurgy &amp; Electrometallurgy (3 units)</td>
<td>CHEM ENG 4051 Water &amp; Wastewater Engineering (3 units)</td>
</tr>
</tbody>
</table>

#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 I, followed by MATHS 1011 Mathematics IA in semester 2, and MATHS 1012 Mathematics IB in summer school.

**Either one of these courses can also be taken in lieu of a Level III Finance elective.