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:  
Assessor Name:  
Applicant’s Previous Institution:  
Applicant’s Previous Qualification:  

Unspecified Elective Credit: Level 1: units Level 2: units Level 3: units Level 4: units

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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>
<th>S1</th>
<th>C&amp;ENVENG 1008 Engineering Planning &amp; Design I (3 units)</th>
<th>GEOLOGY 1104 Geology for Engineers I (3 units)</th>
<th>C&amp;ENVENG 1010 Engineering Mechanics - Statics (3 units)</th>
<th>MATHS 1011 Mathematics IA (3 units)#</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2</td>
<td>MECHENG 1007 Engineering Mechanics - Dynamics (3 units)</td>
<td>C&amp;ENVENG 1012 Engineering Modelling &amp; Analysis I (3 units)</td>
<td>MINING 1011 Introduction to Mining Engineering I (3 units)</td>
<td>MATHS 1012 Mathematics IB (3 units)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th>S1</th>
<th>C&amp;ENVENG 2025 Strength of Materials II (3 units)</th>
<th>C&amp;ENVENG 2068 Environmental Engineering &amp; Sustainability II (3 units)</th>
<th>MECH ENG 2021 Thermo-Fluids (3 units)</th>
<th>MATHS 2201 Engineering Mathematics IIA (3 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2</td>
<td>GEOLOGY 2504 Economic &amp; Mine Geology II (3 units)</td>
<td>C&amp;ENVENG 2070 Engineering, Modelling &amp; Analysis II (3 units)</td>
<td>C&amp;ENVENG 2069 Geotechnical Engineering II (3 units)</td>
<td>CHEM ENG 2019 Introduction to Minerals Processing (3 units)</td>
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</table>

<table>
<thead>
<tr>
<th>Year 3</th>
<th>S1</th>
<th>MINING 3070 Resource Estimation (3 units)</th>
<th>MINING 3072 Mining Geomechanics (3 units)</th>
<th>MINING 3071 Mining Systems (3 units)</th>
<th>MINING 4104 Socio-Environmental Aspects of Mining (3 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2</td>
<td>MINING 3073 Mine Planning (3 units)</td>
<td>MINING 3068 Mine Ventilation (3 units)</td>
<td>MINING 3069 Rock Breakage (3 units)</td>
<td>MINING 3222 Research Methodologies and Project Management (3 units)</td>
<td></td>
</tr>
</tbody>
</table>

| Year 4 | S1 | MINING 4222A Research Project Part A: Mining (3 units) | MINING 4102 Mine Geotechnical Engineering (3 units) | MINING 4106 Hard Rock Mine Design & Feasibility (3 units) | Engineering Elective (3 units) |

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### 2017 STUDY PLAN

#### MINING 4222B Research Project Part B: Mining (3 units)

<table>
<thead>
<tr>
<th>S2</th>
<th>MINING 4101 Mine Management (3 units)</th>
<th>MINING 4111 Coal Mine Design &amp; Feasibility (3 units)</th>
<th>Engineering Elective (3 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>Level II or III Maths Elective (3 units)</td>
<td>Level III Maths Elective (3 units)</td>
<td>Level III Maths Elective (3 units)</td>
</tr>
<tr>
<td>S2</td>
<td>Level II or III Maths Elective (3 units)</td>
<td>Level III Maths Elective (3 units)</td>
<td>Level III Maths Elective (3 units)</td>
</tr>
</tbody>
</table>

#### CHOOSE FROM THE FOLLOWING ELECTIVES

<table>
<thead>
<tr>
<th>SEMESTER 1</th>
<th>MINING 4113 Advanced Mine Ventilation (3 units)</th>
<th>C&amp;ENVENG 4056 Linear Geostatistics (3 units)**</th>
<th>MINING 4107 Surface Mining Systems (3 units)</th>
<th>MINING 4110 Mine Asset Management &amp; Services (3 units)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>MINING 4112 Advanced Mine Geotechnical Engineering (3 units)</td>
<td>ENTREP 3900 Entrepreneur’s Challenge (3 units)</td>
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<tr>
<td>SUMMER</td>
<td>C&amp;ENVENG 4106 Introduction to Geostatistics (3 units)**</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>WINTER SCHOOL</td>
<td>MINING 4114 Simulation &amp; Animation for Mining Engineers (3 units)</td>
<td></td>
<td></td>
<td></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.

Mathematics electives may be chosen from those listed in the Program Rules for the degree of Bachelor of Mathematical and Computer Sciences.

### RESEARCH PROJECT INFORMATION

The 9 unit Research project must be undertaken in three consecutive semesters. Students form their groups and formulate their Research Proposal in MINING 3222. The group then develop the Research Project in MINING 4222A Part A and MINING 4222B Part B.

**C&ENVENG 4106 Introduction to Geostatistics is a pre-requisite to C&ENVENG 4056 Linear Geostatistics.**
FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES
2017 STUDY PLAN

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Unspecified Elective Credit: Level 1: units Level 2: units Level 3: units Level 4: units

Student ID Number: Student Name: Date:
Assessor Name: Advanced Standing Granted: units Remaining Program Duration: 5 years
Applicant’s Previous Institution: Applicant’s Previous Qualification:
Assessor’s Comments:

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BACHELOR OF ENGINEERING (HONOURS) (MINING) WITH BACHELOR OF MATHEMATICAL AND COMPUTER SCIENCES (Maths Major) – Semester 2 Start

YEAR 1
S 1
MECHENG 1007 Engineering Mechanics - Dynamics (3 units)
C&ENVENG 1008 Engineering Planning & Design I (3 units)
GEOLOGY 2504 Economic & Mine Geology II (3 units)
C&ENVENG 2025 Strength of Materials II (3 units)
MINING 3073 Mine Planning (3 units)
C&ENVENG 2068 Environmental Engineering & Sustainability II (3 units)

S 2

YEAR 2
S 1
C&ENVENG 1012 Engineering Modelling & Analysis I (3 units)
GEOLOGY 1104 Geology for Engineers I (3 units)
C&ENVENG 2070 Engineering Modelling & Analysis II (3 units)
MINING 3070 Resource Estimation (3 units)
MINING 3068 Mine Ventilation (3 units)
MINING 3072 Mining Geomechanics (3 units)

S 2

YEAR 3
S 1
MINING 1011 Introduction to Mining Engineering I (3 units)
C&ENVENG 1010 Engineering Mechanics - Statics (3 units)
C&ENVENG 2069 Geotechnical Engineering II (3 units)
MECH ENG 2021 Thermo-Fluids (3 units)
MECH ENG 2021 Thermodynamics (3 units)
MINING 3071 Mining Systems (3 units)

S 2

YEAR 4
S 1
MATHS 1011 Mathematics IA (3 units)#
MATHS 1012 Mathematics IB (3 units)
CHEM ENG 2019 Introduction to Minerals Processing (3 units)
MATHS 2201 Engineering Mathematics IIA (3 units)
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