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 (HOUNOURS) (ELECTRICAL & ELECTRONIC) WITH BACHELOR OF MATHS AND COMPUTER SCIENCE (Mathematics Major)**

**YEAR 1**
- **S1**
  - ELEC ENG 1009 Electrical & Electronic Engineering IA (3 units)
  - PHYSICS 1100 Physics IA (3 units)
  - COMP SCI 1201 Introduction to Programming for Engineers (3 units)
  - MATHS 1011 Mathematics IA (3 units)

- **S2**
  - ELEC ENG 1010 Electrical & Electronic Engineering IB (3 units)
  - PHYSICS 1200 Physics IB (3 units)
  - COMP SCI 1102 Object-Oriented Programming (3 units)
  - MATHS 1012 Mathematics IB (3 units)

**YEAR 2**
- **S1**
  - ELEC ENG 2011 Circuit Analysis (3 units)
  - COMP SCI 2103 Algorithm Design & Data Structures for Engineers (3 units)
  - ELEC ENG 2008 Electronics (3 units)
  - MATHS 2201 Engineering Mathematics IIA (3 units)

- **S2**
  - COMP SCI 2000 Computer Systems (3 units)
  - ELEC ENG 2007 Signals & Systems (3 units)
  - ELEC ENG 2009 Engineering Electromagnetics (3 units)
  - MATHS 2202 Engineering Mathematics IIB (3 units)

**YEAR 3**
- **S1**
  - ELEC ENG 3018 RF Engineering (3 units)
  - ELEC ENG 3021 Electric Energy Systems (3 units)
  - ELEC ENG 3033 Signal Processing (3 units)
  - ELEC ENG 3027 Control (3 units)

- **S2**
  - ELEC ENG 3024 Project Management for Electrical Engineering (3 units)
  - ELEC ENG 3028 Digital Systems (3 units)
  - ELEC ENG 3034 Telecommunications Principles (3 units)
  - ELEC ENG 3031 Power Systems (3 units)

**YEAR 4**
- **S1**
  - Level III Mathematics Elective Course (3 units)*
  - Level III Mathematics Elective Course (3 units)*
  - Level II or III Mathematics Elective Course (3 units)*
  - Level II or III Mathematics Elective Course (3 units)*

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

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>COURSE</th>
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<td>S1</td>
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<td>S1</td>
<td>ELEC ENG 4055 Systems Engineering Management (3 units)</td>
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<td>ELEC ENG 4068A Honours Project Part 1 (6 units)</td>
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<td>ELEC ENG 4064 Business Management Systems (3 units)</td>
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<td>ELEC ENG 4068B Honours Project Part 2 (3 units)</td>
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## CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES

<table>
<thead>
<tr>
<th>SEMESTER</th>
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<tr>
<td>S1</td>
<td>COMP SCI 3001 Computer Networks &amp; Applications (3 units)</td>
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<td>ELEC ENG 4053 Digital Microelectronics (3 units)</td>
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<td>ELEC ENG 4057 RF Systems (3 units)^</td>
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<td>ELEC ENG 4059 Power Electronics &amp; Drive Systems (3 units)</td>
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<td>S2</td>
<td>COMP SCI 3004 Operating Systems (3 units)</td>
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<td>ELEC ENG 4054 Telecommunications Systems (3 units)</td>
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<td>ELEC ENG 4056 Real-Time &amp; Embedded Systems (3 units)</td>
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<td>ELEC ENG 4059 Power Electronics &amp; Drive Systems (3 units)</td>
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<td>PURE MTH 3018 Coding &amp; Cryptology III (3 units)^</td>
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<td>ELEC ENG 4062 Distributed Generation Technologies (3 units)</td>
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*Please refer to the program rules for the definition of an Applied Maths, Pure Maths, Statistics or Mathematical Sciences major. Refer to the degree finder for elective choices.

# 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.