

TRANSITION STUDY PLAN 2015 and prior commencers

FOR ADVANCED STANDING - OFFICE USE ONLY								
<input checked="" type="checkbox"/> 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:			Student Name: _____,			Date: 1/02/17		
Assessor Name:			Advanced Standing Granted: _____ units			Remaining Program Duration: 5 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).

BACHELOR OF ENGINEERING (HONOURS) (ELECTRICAL & ELECTRONIC) WITH BACHELOR OF MATHS AND COMPUTER SCIENCE (Computer Science Major)					
YEAR 1	S1	ELEC ENG 1100 Analog Electronics (3 units)+ (3 units) <input type="checkbox"/>	PHYSICS 1100 Physics IA (3 units) <input type="checkbox"/>	COMP SCI 1201 Introduction to Programming for Engineers (3 units) <input type="checkbox"/>	MATHS 1011 Mathematics IA (3 units)# <input type="checkbox"/>
	S2	ELEC ENG 1102 Digital Electronics (3 units)+ <input type="checkbox"/>	PHYSICS 1200 Physics IB (3 units) <input type="checkbox"/>	COMP SCI 1102 Object-Oriented Programming (3 units) <input type="checkbox"/>	MATHS 1012 Mathematics IB (3 units) <input type="checkbox"/>
YEAR 2	S1	One of: ELEC ENG 2103 Design and Innovation or Level 4 Elective (3 units) <input type="checkbox"/>	COMP SCI 2103 Algorithm Design & Data Structures for Engineers (3 units) <input type="checkbox"/>	ELEC ENG 2101 Electronic Circuits (3 units)* <input type="checkbox"/>	MATHS 2201 Engineering Mathematics IIA (3 units) <input type="checkbox"/>
	S2	COMP SCI 2000 Computer Systems (3 units) <input type="checkbox"/>	ELEC ENG 2104 Digital Signal Processing (3 units)** <input type="checkbox"/>	ELEC ENG 3103 Electromagnetics*** (3 units) <input type="checkbox"/> ^NOT OFFERED 2017	MATHS 2202 Engineering Mathematics IIB (3 units) <input type="checkbox"/>
YEAR 3	S1	ELEC ENG 3018 RF Engineering (3 units) <input type="checkbox"/>	ELEC ENG 3021 Electric Energy Systems (3 units) <input type="checkbox"/>	ELEC ENG 3028 Digital Systems (3 units) <input type="checkbox"/>	ELEC ENG 3027 Control (3 units) <input type="checkbox"/>
	S2	ELEC ENG 3024 Project Management for Electrical Engineering (3 units) <input type="checkbox"/>	ELEC ENG 3033 Signal Processing (3 units)^ <input type="checkbox"/>	ELEC ENG 3034 Telecommunications Principles (3 units) <input type="checkbox"/>	ELEC ENG 3031 Power Systems (3 units) <input type="checkbox"/>

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YEAR 4	S1	Level II or III COMP SCI Elective (3 units) <input type="checkbox"/>	Level II or III COMP SCI Elective (3 units) <input type="checkbox"/>	Level II or III COMP SCI Elective (3 units) <input type="checkbox"/>	Level III COMP SCI Elective (3 units) <input type="checkbox"/>
	S2	COMP SCI 2201 Algorithm & Data Structure Analysis (3 units) <input type="checkbox"/>	COMP SCI 3006 Software Engineering & Project (3 units) <input type="checkbox"/>	Level III COMP SCI Elective (3 units) <input type="checkbox"/>	III COMP SCI Elective (3 units) <input type="checkbox"/>
YEAR 5	S1	Engineering Elective (3 units) <input type="checkbox"/>	ELEC ENG 4055 Systems Engineering Management (3 units) <input type="checkbox"/>	ELEC ENG 4068A Honours Project Part 1 (6 units) <input type="checkbox"/>	
	S2	Engineering Elective (3 units) <input type="checkbox"/>	Engineering Elective (3 units) <input type="checkbox"/>	ELEC ENG 4064 Business Management Systems (3 units) <input type="checkbox"/>	ELEC ENG 4068B Honours Project Part 2 (3 units) <input type="checkbox"/>

CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES

SEMESTER 1	COMP SCI 3001 Computer Networks & Applications (3 units) <input type="checkbox"/>	COMP SCI 3005 Computer Architecture (3 units) <input type="checkbox"/>	ELEC ENG 4053 Digital Microelectronics (3 units) <input type="checkbox"/>	<input type="checkbox"/>
	ELEC ENG 4063 Communications (3 units) <input type="checkbox"/>	ELEC ENG 4058 Power Quality & Condition Monitoring (3 units) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SEMESTER 2	COMP SCI 3004 Operating Systems (3 units) <input type="checkbox"/>	ELEC ENG 4054 Telecommunications Systems (3 units) <input type="checkbox"/>	ELEC ENG 4056 Real-Time & Embedded Systems (3 units) <input type="checkbox"/>	ELEC ENG 4059 Power Electronics & Drive Systems (3 units) <input type="checkbox"/>
	ELEC ENG 4061 Image Processing (3 units) <input type="checkbox"/>	ELEC ENG 4062 Distributed Generation Technologies (3 units) <input type="checkbox"/>	PURE MTH 3018 Coding & Cryptology III (3 units) <input type="checkbox"/>	ELEC ENG 4067 Antennas & Propagation (3 units) <input type="checkbox"/>
	ELEC ENG 4069 Radar Principles & Systems (3 units) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Level II or III Computer Science Elective may be chosen from those listed in the Program Rules for the degree of Bachelor of Mathematical and Computer Sciences.

+Students who have failed ELEC ENG 1009 Electrical & Electronic Engineering IA may undertake ELEC ENG 1100 Analog Electronics as a replacement. Students who have failed ELEC ENG 1010 Electrical & Electronic Engineering IB may enrol into ELEC ENG 1010 for S1 2016 and ELEC ENG 1102 Digital Electronics from S2 2016 onwards.

* Students who have failed ELEC ENG 2008 Electronics may undertake ELEC ENG 2101 Electronic Circuits as a replacement

** Students who have failed ELEC ENG 2007 Signals & Systems may undertake ELEC ENG 2104 Digital Signal Processing as a replacement

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*** Students who have failed ELEC ENG 2009 Electromagnetics may undertake ELEC ENG 3103 Electromagnetics as a replacement. However, given ELEC ENG 3103 is not available in 2017, students should consult a Course Advisor to determine a suitable replacement course.

^^ELEC ENG 2104 Digital Signal Processing is incompatible with ELEC ENG 3033 Signal Processing. Students who have completed ELEC ENG 2104 Digital Signal Processing are unable to complete ELEC ENG 3033 Signal Processing and are advised to substitute the course for one of the following:

- To strengthen your professional practice skills take ELEC ENG 2103 Design and innovation
- An extra 4th year elective

#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.
