

**BEng (Hons) Electronic and Communication Engineering
Recommended Study Plan for 2007/08 Cohort**

<u>Programme Requirements</u>	<u>Credit Units</u>
Core courses:	57 ¹
Group A & B electives :	18 ²
Group C elective :	3
University Language Requirements :	6
Chinese Civilization :	6
Out-of-Discipline courses :	9 ³
<i>Total :</i>	<i>99 CUs</i>

Notes: ¹ Including EE4093 and EE4094 Basic Training I & II, which carry no credit unit

² At least 15 CUs must be obtained from Elective Group A

³ Any Level 2 or above courses except for courses in the disciplines of electronic engineering, computer science, computer engineering, and information/multi-media/web-based technology.

First Year (Full Time)

Semester A:

Course Code	Title	CU	Pre-requisite	Precursor
EE2000	Logic Circuit Design	3	Nil	Nil
EE2003	Circuit Theory	3	Nil	Nil
EE2070	Fundamental Electronics Laboratory	1	EE2000 ^Δ & EE2003 ^Δ	Nil
CS2362	Computer Programming for Engineers and Scientists	3	Nil	Nil
MA2149	Mathematical Analysis	3	A pass in A-Level Pure Mathematics/ Applied Mathematics or MA2176 or equivalent	Nil
Required Language Courses: EL0224 or (EL0221 & EL0407)* OR EN2271#		2* or 3#	--	--
Total		15* or 16#		

Semester B:

Course Code	Title	CU	Pre-requisite	Precursor
EE2104	Introduction to Electromagnetics	3	MA2176 or a pass in A-Level Pure Mathematics or equivalent	Nil
EE2106	Electronic Devices and Circuits	3	Nil	EE2003
EE2170	Analogue Electronics Laboratory	1	Nil	EE2003
EE3108	Engineering Analysis	3	Nil	MA3150 & CS2362
MA3150	Advanced Mathematical Analysis	3	MA2149	Nil
Required Language Courses: EL0224 or (EL0221 & EL0407)*		2*	--	--
Out-of-Discipline Course/Chinese Civilization		3	--	--
Total		18* or 16#		

Summer:

Course Code	Title	CU	Pre-requisite	Precursor
EE4093	Basic Training I	0	Nil	Nil
Required Language Course: EL0401*		1*	--	--
Total		1*		

Δ Co/Pre-requisite : To be taken before or together with EE2070

* Students who do not have Grade D or above in UE or its equivalent

Students with grade D or above in UE or its equivalent

Second Year (Full Time)**Semester A:**

Course Code	Title	CU	Pre-requisite	Precursor
EE3003(I)	Electronic Product Design	1	2 out of the 3 courses: EE2000 or EE2003 or EE2106	Nil
EE3008	Principles of Communications	3	MA2149 or MA2176 or a pass in A-Level Pure Mathematics or equivalent	Nil
EE3109	Applied Electromagnetics	3	MA3150	EE2104
EE3110	Analogue Electronic Circuits	3	EE2003	EE2106
EE3118	Linear Systems and Signal Analysis	3	MA2149	MA3150
EE3120	Microprocessor & Assembly Language Programming	3	Nil	EE2000 & (CS2362 or CS2363)
Required Language Course: University English Elective Course*		1*	--	--
Total		17* or 16#		

Semester B:

Course Code	Title	CU	Pre-requisite	Precursor
EE3003(II)	Electronic Product Design	1	EE3003(I) & EE3120	Nil
EE3014	Engineers in Society#	2#	43 credit units have been completed	Nil
EE3101	Communication Engineering	3	Nil	EE3008
EE3114	Systems and Control	3	EE3118	MA3150
EEzzzz	1 Technical Elective Course from Group C	3	--	--
Out-of-Discipline Course/Chinese Civilization		3	--	--
Out-of-Discipline Course/Chinese Civilization*		3*	--	--
Required Language Course: EL0401* or EN2272#		1* or 3#	--	--
Total		17* or 18#		

Summer:

Course Code	Title	CU	Pre-requisite	Precursor
EE4094	Basic Training II	0	Note 1	Nil
Total		0		

* Students who do not have Grade D or above in UE or its equivalent

Students with grade D or above in UE or its equivalent

Note 1: EE4094 - Part II-A: (i) EE4093; (ii) S9801 Pre-attachment training; (iii) at least 40 credit units have been completed by the end of Semester A;

EE4094 - Part II-B: (i) EE4093; (ii) S9801 Pre-attachment training; (iii) at least 40 credit units have been completed by the end of Semester A; and (iv) EE3003 Electronic Product Design

Third Year (Full Time)***Semester A:***

Course Code	Title	CU	Pre-requisite	Precursor
EE3014	Engineers in Society*	2*	43 credit units have been completed	Nil
EE4181/ FS4001a	Project (first part)	3	46 credits of level 2 & 3 core courses completed	Nil
EEzzzz	3 Technical Elective Courses from Groups A/B	9	--	--
Out-of-Discipline Course/Chinese Civilization		3	--	--
Total		17* or 15#		

Semester B:

Course Code	Title	CU	Pre-requisite	Precursor
EE4181/ FS4001a	Project (second part)	3	46 credits of level 2 & 3 core courses completed	Nil
EEzzzz	3 Technical Elective Courses from Groups A/B	9	--	--
Out-of-Discipline Course/ Chinese Civilization		6	--	--
Total		18		