

**BEng (Hons) Information Engineering**  
**Recommended Study Plan for 2007/08 cohort**

**Programme Requirements:**

	<u>Credit Units</u>
Core courses:	60 <sup>1</sup>
Elective courses:	18 <sup>2</sup>
University Language Requirement:	6
Chinese Civilization:	6
Out-of-Discipline courses:	9 <sup>3</sup>
<b>Total: 99 Cus</b>	

**Note :**

1. Including EE4095 & EE4096 Basic Training I & II for Information Engineering, which carry no credit unit.
2. Elective courses are divided into five streams and one “Other IE electives” group. Students are required to take a minimum of SIX technical electives of which no more than ONE level-3 electives course should be taken.
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.

**Year 1 (Sem A)**

Course code & title		CU	Pre-requisite	Precursor
EE2000	Logic Circuit Design	3	Nil	Nil
EE2301	Basic Electronic Circuit	3	Nil	Nil
EE2372	Electronics Laboratory	1	EE2000 <sup>Δ</sup> & EE2301 <sup>Δ</sup>	Nil
CS2362	Computer Programming for Engineers and Scientists	3	Nil	Nil
MA2170	Linear Algebra and Multi-variable Calculus	3	MA2176 or a pass in A-Level Pure Maths /Applied Maths or equivalent	Nil
Required Language Courses: EL0224 or (EL0221 & EL0407)* OR EN2271 #		2* or 3#	--	--
Out of Discipline Course (s) OR Chinese Civilization*		3*	--	--
<b>Total</b>		<b>18* or 16#</b>		

**Year 1 (Sem B)**

Course code & title		CU	Pre-requisite	Precursor
EE2202	Microprocessor & Assem. Lang. Prog.	3	Nil	(CS2362 or CS2363) & EE2000
EE2331	Data Structures and Algorithms	3	CS2362 or CS2363	Nil
EE2371	Data Communications Lab.	1	} Note 1	Nil
EE3015	Computer Networks	3		Nil
MA2184	Discrete Mathematics for Computing	3	Nil	Nil
Required Language Courses: EL0224 or (EL0221 & EL0407)*		2*	--	--
Out of Discipline Course(s) OR Chinese Civilization		3	--	--
<b>Total</b>		<b>18* or 16#</b>		

Note 1: EE2371 and EE3015 must be taken in the same semester

<sup>Δ</sup> Co/Pre-requisite – To be taken before or together with EE2372

\* 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

**Year 1 (Summer)**

Course code & title		CU	Pre-requisite	Precursor
Required Language Course: EL0401*		1*	--	--
EE4095	Basic Training I for Information Engineering	0	Nil	Nil
Total		1*		

### Year 2 (Sem A)

Course code & title		CU	Pre-requisite	Precursor
EE3016	WANs and Communication Protocols	3	EE3015	Nil
EE3313	Applied Queueing Systems	3	MA2170	Nil
CS3161	Operating System Principles	3	(CS2362 or CS2363) & EE2202	Nil
CS3462	Introduction to Database Systems	3	CS2362 or CS2363	Nil
Required Language Course : University English Elective Course*		1*	--	--
Out-of-discipline Course(s) OR Chinese Civilization		3* or 6#	--	--
Total		16* or 18#		

### Year 2 (Sem B)

Course code & title		CU	Pre-requisite	Precursor
EE3008	Principles of Communications	3	MA2170 or MA2176 or a pass in A-Level Pure Maths or equivalent	
EE3206	Java Programming and Applications	3	CS2362 or CS2363	Nil
EE3210	Signals and Systems	3	MA2170	Nil
EE3314	Information Product Design	2	EE2331 & EE3015	CS3161
EE3320	Internet Technologies and Protocols	3	EE3015	EE3016
Out-of-discipline Course(s) OR Chinese Civilization*		3*	--	--
Required Language Course: EL0401* or EN2272 #		1* or 3#	--	--
Total		18* or 17#		

### Year 2 (Summer)

Course code & title		CU	Pre-requisite	Precursor
EE4096	Basic Training II for Information Engineering	0	Note 2	EE3206 & CS3161 & CS3462 for Part B

Note 2: (i) EE4095, (ii) S9801 Pre-attachment Training, (iii) at least 40 credit units have been completed by the end of Sem A

\* 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

### Year 3 (Sem A)

Course code & title		CU	Pre-requisite	Precursor
EE3014	Engineers in Society	2	43 credit units have been completed	Nil
EE4381/ CS4269/ FS4001a	Project	3	43 credit units of level 2 & 3 core courses completed	Nil
3 Technical Elective Courses		9	--	--
Out-of-discipline Course(s) OR Chinese Civilization		3	--	--
Total		17		

### Year 3 (Sem B)

Course code & title		CU	Pre-requisite	Precursor
EE4381/ CS4269/ FS4001a	Project ( <i>continuation</i> )	3	43 credit units of level 2 & 3 core courses completed	Nil
3 Technical Elective Courses		9	--	--
Out-of-discipline Course(s) OR Chinese Civilization#		3	--	--
Total		15		