

BEng (Hons) Computer Engineering

Recommended Study Plan for 2007-2008 intake cohort

<u>Programme Requirements</u>	<u>Credit Units</u>
Core courses:	60 ¹
Group A & B electives :	18 ²
University Language Requirements :	6
Chinese Civilization :	6
Out-of-Discipline courses :	9 ³
Total :	99 CUs

Notes: ¹ Including EE4097 and EE4098 Basic Training I & II, which carry no credit unit.

² At least 2 courses from the Group A list and at least 2 courses from the Group B list must be taken. Only ONE Level 3 course is allowed to choose in the elective lists.

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

Semester A:

Course Code	Course Title	CU	Pre-requisite	Precursor
EE2000	Logic Circuit Design	3	Nil	Nil
EE2301	Basic Electronic Circuit	3	Nil	Nil
EE2372	Electronics Laboratory	1	EE2000Δ & EE2301Δ	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 Course: EL0224 or (EL0221 & EL0407)* OR EN2271#		2* or 3#	--	--
Total		15* or 16#		

Semester B:

Course Code	Course Title	CU	Pre-requisite	Precursor
EE2202	Microprocessor & Assembly Language Programming	3	Nil	EE2000 and CS2362
EE2331	Data Structures & Algorithms	3	CS2362	Nil
EE3207	Digital System Design	3	EE2000	Nil
MA3151	Advanced Engineering Mathematics	3	MA2170 or equivalent	Nil
Required Language Course: EL0224 or (EL0221 & EL0407)* and Out-of-Discipline Course/Chinese Civilization*		2*+3*	--	--
Out-of-Discipline Course(s)/Chinese Civilization#		6#	--	--
Total		17* or 18#		

Δ 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.

Summer:

Course Code	Course Title	CU	Pre-requisite	Precursor
EE4097	Basic Training I	0	EE3207	Nil
Required Language Course: EL0401*		1*	--	--
Total		0 or 1*		

Second Year**Semester A:**

Course Code	Course Title	CU	Pre-requisite	Precursor
EE2371	Data Communications Lab	1	Note 1	Nil
EE3015	Computer Networks	3	Note 1	Nil
EE3203	Microprocessor System Design	3	EE2202, Note 2	Nil
EE3206	Java Programming and Applications	3	CS2362	Nil
EE3210	Signal and Systems	3	MA2170	MA3151
EE3272	Microprocessor System Laboratory	1	EE2202, Note 2	EE2000
Out-of-Discipline Courses/Chinese Civilization		3	--	--
Required Language Course: University English Elective Course*		1*	--	--
Total		18* or 17#		

Second Year**Semester B:**

Course Code	Course Title	CU	Pre-requisite	Precursor
EE3014	Engineers in Society	2#	Completed 43 credit units	Nil
EE3016	WANs and Communication Protocols	3	EE3015	Nil
EE3201	Computer Architecture	3	EE2202 or EE3120	Nil
EE3202	Digital Signal Processing	3	EE3210	Nil
EE3271	Design Laboratory	1	EE2000 and (EE3203 or EE3272)	Nil
CS3161	Operating System Principles	3	CS2362 and EE2202	Nil
Out-of-Discipline Course/Chinese Civilization*		3*	--	--
Required Language Course: EL0401* or EN2272#		1* or 3#		
Total		17* or 18#		

Summer:

Course Code	Course Title	CU	Pre-requisite	Precursor
EE4098	Basic Training II	0	Note 3	
Total		0		

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

Note 2: EE3203 and EE3272 must be taken in the same semester.

Note 3: EE4098 (Part A): (i) EE4097; (ii) S9801 Pre-attachment Training; and (iii) at least 40 credit units have been completed by the end of Sem A.

EE4098 (Part B): (i) EE4097; (ii) S9801 Pre-attachment Training; (iii) at least 40 credit units have been completed by the end of Sem A; and (iv) EE3271 Design Laboratory.

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Students with grade D or above in UE or its equivalent.

Third Year**Semester A:**

Course Code	Course Title	CU	Pre-requisite	Precursor
EE3014	Engineers in Society	2*	Completed 43 credit units	Nil
EE4281/ FS4001a	Project (first part)	3	Completed 43 credit of core program	Nil
3 Technical Elective Courses		9		
Out-of-Discipline Course/Chinese Civilization		3	--	--
Total		17* or 15#		

Semester B:

Course Code	Course Title	CU	Pre-requisite	Precursor
EE4281/ FS4001a	Project (second part)	3	Completed 43 credit of core program	Nil
3 Technical Elective Courses		9		
Out-of-Discipline Course/Chinese Civilization		3	--	--
Total		15		

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Students with grade D or above in UE or its equivalent.

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