

BEng (Hons) Electronic and Communication Engineering
Recommended Study Plan for 2009/10 Cohort

Programme Requirements **Credit Units**

Core courses:	60 ¹
Group A & B electives :	15 ²
Group C elective :	3
University Language Requirements :	6
Chinese Civilization :	6
General Education (GE)/ Out-of-Discipline courses :	9 ³
<i>Total :</i>	<i>99 CUs</i>

Notes: ¹ Including EE4091 and EE4092 Basic Training I & II, which carry no credit unit

² At least 12 CUs must be obtained from Elective Group A

³ Students must take at least 3 credits of General Education courses and 6 credits of any Level 2 or above Out-of-Discipline courses outside the disciplines of electronic engineering, computer science, computer engineering, and information/multi-media/web-based technology.

First Year

Semester 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 ^Δ & EE2301 ^Δ	Nil
CS2363	Computer Programming	3	Nil	Nil
MA2149	Mathematical Analysis	3	MA2183* or a pass in A-Level Pure Mathematics / Applied Mathematics or equivalent	Nil
Required Language Courses: EL0407 & EL0221* OR EN2271#		2* or 3#	--	--
Total		15* or 16#		

Semester B:

Course Code	Title	CU	Pre-requisite	Precursor
EE2003	Circuit Theory	3	EE2301 ^Δ	Nil
EE2106	Electronic Devices and Circuits	3	EE2301 ^Δ	Nil
EE2108	Engineering Analysis	3	MA2149 ^Δ	CS2363
EE2170	Analogue Electronics Laboratory	1	EE2106 ^Δ	Nil
MA3150	Advanced Mathematical Analysis	3	MA2149	Nil
Required Language Courses: EL0224*		2*	--	--
General Education/Out-of-Discipline Course OR Chinese Civilization		3	--	--
Total		18* or 16#		

Summer:

Course Code	Title	CU	Pre-requisite	Precursor
EE4091	Basic Training I	0	Nil	Nil
Total		0		

Δ Co-requisite : To be taken before or together with the course

♣ Students without AL Pure Mathematics or Applied Mathematics should take MA2183 College Calculus. Students without Grade C or above in HKCEE Additional Mathematics will have to take MA2182 College Algebra. The credits earned by the students from MA2182 and MA2183 can be counted as fulfilling the OOD requirement. Nevertheless, students with the relevant public examination qualifications mentioned above cannot take MA2182 or MA2183 in fulfilment of the OOD requirement.

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

For students with grade D or above in UE or its equivalent

Second Year**Semester A:**

Course Code	Title	CU	Pre-requisite	Precursor
EE2104	Introduction to Electromagnetics	3	MA2183* or a pass in A-Level Pure Mathematics / Applied Mathematics or equivalent	Nil
EE3003(I)	Electronic Product Design	1	Part I: EE2301 & EE2000 ^Δ & EE2106 ^Δ	Nil
EE3008	Principles of Communications	3	MA2149 & EE3118 ^Δ	Nil
EE3110	Analogue Electronic Circuits	3	EE2003 ^Δ & EE2106 ^Δ	Nil
EE3118	Linear Systems and Signal Analysis	3	MA2149	Nil
EE3120	Microprocessor & Assembly Language Programming	3	Nil	EE2000 & 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	Part II: EE3003 – Part I & [EE3120 or equivalent]	Nil
EE3014	Engineers in Society#	2#	At least 43 credit units have been completed	Nil
EE3101	Communication Engineering	3	EE3008 ^Δ	Nil
EE3109	Applied Electromagnetics	3	MA3150	EE2104
EE3114	Systems and Control	3	EE3118	Nil
EEzzzz	1 Technical Elective Course from Group C	3	--	--
General Education/Out-of-Discipline Course OR Chinese Civilization*		3*	--	--
Required Language Course: EL0401* or EN2272#		1* or 3#	--	--
Total		17* or 18#		

Summer:

Course Code	Title	CU	Pre-requisite	Precursor
EE4092	Basic Training II	0	Note 1	Nil
Total		0		

Δ Co-requisite : To be taken before or together with the course

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

(i) For students with grade D or above in UE or its equivalent; (ii) these students may take EE3014 in Year 2 Sem B.

Note 1: EE4092 - Part A: (i) EE4091; (ii) Pre-attachment training; and (iii) at least 40 credit units have been completed by the end of Semester A.

EE4092 - Part B: (i) EE4091; (ii) at least 40 credit units have been completed by the end of Semester A; and (iii) EE3003 Electronic Product Design.

Third Year**Semester A:**

Course Code	Title	CU	Pre-requisite	Precursor
EE3014	Engineers in Society*	2*	At least 43 credit units have been completed	Nil
EE4181/ FS4003	Project (first part)	3	At least 43 CUs of Level 2 or above core or technical elective courses have been completed	Nil
EEzzzz	3 Technical Elective Courses from Groups A/B	9	--	--
General Education/Out-of-Discipline Course OR Chinese Civilization		3	--	--
Total		17* or 15#		

Semester B:

Course Code	Title	CU	Pre-requisite	Precursor
EE4181/ FS4003	Project (second part)	3	At least 43 CUs of Level 2 or above core or technical elective courses have been completed	Nil
EEzzzz	2 Technical Elective Courses from Groups A/B	6	--	--
General Education/Out-of-Discipline Course(s) OR Chinese Civilization		6	--	--
General Education/Out-of-Discipline Course OR Chinese Civilization#		3#	--	--
Total		15* or 18#		

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

For students with grade D or above in UE or its equivalent