(For students admitted in 2011-12 under the 3-year degree)

Curriculum for BEng in Electronic Engineering

Two options are offered in this program: the Entrepreneurship Option and the Honors Research Option. Details of the curricula for these options are given under respective sections.

General Requirements

Students are required to complete the following general requirements for graduation in addition to program specific requirements:

Required Courses in English Communication
Common Core Requirements
Required Course in Physical Education

For details please refer to the section "General Requirements" on this website.

Program Specific Requirements

Credit(s)

Required courses

		ELEC 1100	Introduction to Electro-Robot Design	4
	or	ELEC 1200	A System View of Communications: from Signals to Packets	4
(1)		ELEC 1990	Industrial Training	0
		ELEC 2100	Signals and Systems	4
		ELEC 2200	Digital Circuits and Systems	4
		ELEC 2300	Computer Organization	4
		ELEC 2410	Basic Electronics	4
(2)		ELEC 4907	Final Year Project	9
		COMP 1022P	Introduction to Computing with Java	3
		IELM 2200	Engineering Management	3
		IELM 4110	Engineers in Society	1
		ECON 2152	Engineering Economics and Finance	2
		MATH 2011	Introduction to Multivariable Calculus	3
		MATH 2111	Matrix Algebra and Applications	3
		MATH 2351	Introduction to Differential Equations	3

Elective courses

	Elective types		Minimum no. of courses	Minimum total credits
(3,4,5)	ELEC	Electrical and Electronic Engineering Elective	-	40
(3,7)	SB&M	Business and Management Elective		
(3,5,6)	FREE	Free Elective		

Other Requirements

(8)	ELEC 2910	Academic and Professional Development I	0
	ELEC 3910	Academic and Professional Development II	0

Notes:

(1) Students are required to complete and pass a prescribed training program within the normal length of study. Details of the program, its requirements and schedule will be announced on the website of the Industrial Training Center (http://www.ust.hk/itc) or website of the department in the first year Fall term. Training normally takes place in the Winter and Summer terms starting from the first year of study. For recording the overall training results, students are normally registered for the course in their last term of study.

(2) Work normally commences in summer following the second year.

(3) Among the 40 credits, at least 27 credits are from the ELEC electives and 2 from SB&M electives.

(4) The electives must include at least one course from three of the six groups shown below:
ELEC 3100 or ELEC 3110; ELEC 3200 or ELEC 3210; ELEC 3300; ELEC 3400 or ELEC 4410; ELEC 3500 or ELEC 4510; ELEC 3600.

Certain courses cannot be used to count toward the ELEC elective requirement. Students should check departmental notice for the list of courses in concern. Subject to departmental approval, students may replace a maximum of two courses with courses from the School of Science or the School of Engineering. Normally, only courses of 3000-level or above will be considered. However, students may also use ELEC 2600 to count towards the ELEC elective requirement.

(5) ENGG 4950 can be used to count toward the ELEC or FREE elective requirement.

(6) Certain courses cannot be used to count toward the FREE elective requirement. Students should check departmental notice for the list of courses in concern.

(7) ACCT 3650 is a recommended elective. ISOM 2010 and ISOM 2500 cannot be used to satisfy the SB&M elective requirement.

(8) Students admitted through the School-based Admission Scheme do not need to enroll in ELEC 2910 for the Fall term of the first year.

A minimum of 102 credits is required for the BEng program in Electronic Engineering.