

Curriculum for BEng in Electronic Engineering - Entrepreneurship Option

Students with a CGA of B or above may enroll into this option. They must declare their intention to enroll in the option no later than the last day of the add/drop period in the first semester of their final year of study.

Major Program Requirements

Core courses

ELEC 102	Electronic Circuits I	[3-1-3:5]
ELEC 151	Digital Circuits and Systems	[3-1-2:4]
ELEC 152	Computer Organization	[3-0-1:3]
ELEC 211	Signals and Systems	[3-1-0:4]
ELEC 214	Communication Systems	[3-1-3:5]
ELEC 254	Microprocessor Experiments	[1-1-3:3]
ELEC 290	Introduction to Electronic and Computer Technology	[2-0-0:1]
ELEC 310	Engineering Business Development	[3-1-0:3]
IELM 311	Engineers in Society	[1-0-0:1]

Required courses

(1) ELEC 099	Industrial Training	[0 credit]
(2) ELEC 397B	Final Year Project in Entrepreneurship I	[0-0-6:1]
ELEC 398B	Final Year Project in Entrepreneurship II	[0-0-9:4]
ELEC 399B	Final Year Project in Entrepreneurship III	[0-0-12:4]
COMP 104	Programming Fundamentals and Methodology	[3-1-2:4]
COMP 171	Data Structures and Algorithms	[3-2-0:3]
ECON 115	Engineering Economics and Finance	[2-1-0:2]
MATH 100	Introduction to Multivariable Calculus	[2-1-0:2]
MATH 113	Introduction to Linear Algebra	[2-1-0:2]
MATH 150	Introduction to Ordinary Differential Equations	[2-1-0:2]

Elective courses

Elective types		Minimum no. of courses	Minimum total credits
(3,4) ELEC	Electrical and Electronic Engineering Elective	7	21
(5) IELM	Engineering Management Elective Offered by IELM	1	3
(4,6) FREE	Free Elective	1	3
(7) SB&M	Business and Management Elective	2	6

General Education Requirements

Electives must be selected from amongst those general education courses that are listed under the section "Designated General Education Courses".

Elective types		Minimum no. of courses	Minimum total credits
(8) [GEE(SCIE) or GEE(SB&M) or GEE(H&SS)]	Science General Education Elective Business and Management General Education Elective Humanities and Social Science General Education Elective	-	12

Required Courses in English Communication

LANG 106	English for Engineering Students I	[0-2-0:1]
LANG 206	English for Engineering Students II	[0-2-0:1]
LANG 306	English for Engineering Students III	[0-2-0:1]

Other Requirements

ELEC 196	Professional Development in Engineering Business I	[0 credit]
ELEC 296	Professional Development in Engineering Business II	[0 credit]
(9) HLTH 001	Healthy Life Style	[0 credit]

Notes:

- 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 Semester. Training normally takes place in the Winter and Summer Sessions starting from the first year of study. For recording the overall training results, students are normally registered for the course in their last semester of study.
- Work normally commences in summer following the second year.
- Students are required to take at least three from the following seven courses representing a course from a different area:
ELEC 271, ELEC 301, ELEC 308, ELEC 314, ELEC 317, ELEC 321, ELEC 383
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 200-level or above will be considered.
- ENGG 351 and ENGG 395 can be used to count toward the ELEC or FREE elective requirement.
- Students are required to take at least one from the following three courses representing a course from a different area:
IELM 120, IELM 215, IELM 317

- (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 261 or ACCT 265, FINA 110 or MARK 112 is a recommended elective. ISMT 101 and ISMT 111 cannot be used to satisfy the SB&M elective requirement.
- (8) Of these courses, at least one course in Humanities and one in Social Science are required. SOSC 111 is a recommended elective. ISMT 101 and ISMT 111 cannot be used to satisfy the GEE(SB&M) elective requirement.
- (9) Students are required to take and pass this course in their first year of study. Details of the course and its requirements are announced on the course website <http://www.ab.ust.hk/sao/HLTH001> managed by the Student Affairs Office.

A minimum of 101 credits is required for the BEng program in Electronic Engineering - Entrepreneurship Option

Recommended Pattern of Study for BEng in Electronic Engineering - Entrepreneurship Option

1st year	Fall	C ELEC 151 R COMP 104, LANG 106, MATH 100, MATH 113 E GEE O ELEC 196, HLTH 001	(Total: 15 credits)
	Spring	C ELEC 102, ELEC 152 R COMP 171, LANG 106, MATH 150 E GEE O ELEC 196, HLTH 001	(Total: 17* credits)
2nd year	Fall	C ELEC 211, ELEC 290 R ECON 115, LANG 206 E ELEC, FREE, SB&M O ELEC 296	(Total: 16 credits)
	Spring	C ELEC 214, ELEC 254, IELM 311 R ELEC 397B, LANG 206 E ELEC, IELM O ELEC 296	(Total: 17* credits)
3rd year	Fall	C ELEC 310 R ELEC 398B, LANG 306 E two ELEC, FREE, GEE	(Total: 19 credits)
	Spring	R ELEC 099, ELEC 399B, LANG 306 E three ELEC, SB&M	(Total: 17* credits)

* LANG 106, LANG 206 and LANG 306 are two-semester courses. The course credit (1 credit) will be earned on completion of the courses at the end of the respective Spring Semester.

C = core course; R = required course; E = elective course; O = other course