

Curriculum for BEng in Electronic Engineering and BBA in General Business Management (EEGBM)

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	[3-1-1:4]
	ELEC 254	Microprocessor Experiments	[1-1-3:3]
	ELEC 290	Introduction to Electronic and Computer Technology	[2-0-0:1]
	ACCT 101	Introduction to Accounting for Business Majors	[4-0-0:4]
(1) [ECON 110	Introductory Microeconomics	[3-1-0:4]
	or ECON 111	Microeconomics	[3-1-0:4]
	or ECON 191	Honors Microeconomics	[3-1-0:4]
	FINA 111	Financial Management	[3-1-0:3]
	IELM 311	Engineers in Society	[1-0-0:1]
	ISOM 111	Business Statistics	[3-1-0:4]
	ISOM 161	Operations Management	[3-0-0:3]
	MARK 112	Marketing Management	[3-0-0:3]
(2)	MATH 021	Concise Calculus	[3-1-0:4]
	MGTO 121	Organizational Behavior	[3-1-0:3]

Required courses

(3)	ELEC 099	Industrial Training	[0 credit]
(4)	ELEC 397	Final Year Project I	[0-0-6:1]
	ELEC 398	Final Year Project II	[0-0-9:4]
	ELEC 399	Final Year Project III	[0-0-12:4]
	COMP 104	Programming Fundamentals and Methodology	[3-1-2:4]
	ECON 115	Engineering Economics and Finance	[2-1-0:2]
(5)	LANG 111	Chinese Business Communication I	[0-3-0:3]
	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]
	MGTO 222	Business, Society and the Individual	[1-0-0:1]

Elective courses

	Elective types		Minimum no. of courses	Minimum total credits
(6,7,8)	ELEC	Electrical and Electronic Engineering Elective	-	40
	or			
(8,9)	FREE	Free Elective		
(10)	SB&M	Business and Management Elective	5	18

General Education Requirements

Electives must be selected from amongst those general education courses that are listed under the section “Designated General Education Courses for Undergraduate Students”.

Elective types		Minimum no. of courses	Minimum total credits
GEE(SCIE)	Science General Education Elective	1	3
(11) GEE(H&SS)	Humanities and Social Science General Education Elective	4	12

Required Courses in English Communication

LABU 101	Business Case Analyses	[0-3-0:4]
LANG 201	Business Communication	[0-3-0:3]
LANG 307	Communication for International Management	[0-2-0:2]

Other Requirements

ELEC 196	Academic and Professional Development I	[0 credit]
ELEC 296	Academic and Professional Development II	[0 credit]
(12) HLTH 001	Healthy Life Style	[0 credit]
TEMG 001	Technology and Management Professional Activities	[0 credit]

Notes:

- (1) Students entering with AL Economics take ECON 111; however, those with grade B or above in HKAL Economics will take ECON 191. All other students without AL Economics background, including those entering with AL Business and Economics, take ECON 110.
- (2) Students who have grade E or better in AL Pure Mathematics or in AL Applied Mathematics are not required to take MATH 021.
- (3) 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.
- (4) Work normally commences in summer following the third year.
- (5) Students cannot replace this course by LANG 014/015 for graduation purposes. Students recruited from Mainland China will replace this course by a free elective. For international students who are assessed as having inadequate Chinese background to take LANG 111, they will replace this course by LANG 113.
- (6) Among the 40 credits, at least 31 credits are from the ELEC electives.
- (7) 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.
- (8) ENGG 351 and ENGG 395 can be used to count toward the ELEC or FREE elective requirement.
- (9) Certain courses cannot be used to count toward the FREE elective requirement. Students should check departmental notice for the list of courses in concern.
- (10) ISOM 101 cannot be used to count toward the SB&M elective requirement. Of these 18 credits, at least 6 credits must be at 300-level or above and at least 6 credits must be at 200-level or above. ACCT 265 or ACCT 266 is a recommended elective.
- (11) Of these courses, at least one course in Humanities and one in Social Science are required. SOSOC 111 is a recommended elective.

(12) 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 152 credits is required for the BEng program in Electronic Engineering and BBA program in General Business Management. For students who are required to take MATH 021, the minimum total required is 156 credits.

Recommended Pattern of Study for BEng in Electronic Engineering and BBA in General Business Management

1st year	Fall	C ELEC 151, MATH 021 [^] , ISOM 111, MGTO 121 R COMP 104, ELEC 196, HLTH 001, LABU 101, TEMG 001	(Total: 15 / 19 [^] credits)
	Spring	C ELEC 102, ELEC 152, ISOM 161, ECON 110/111/191 R ELEC 196, HLTH 001, LABU 101, MATH 150, TEMG 001	(Total: 21* credits)
2nd year	Fall	C ELEC 211, ACCT 101 R ELEC 296, MATH 100, MATH 113, MGTO 222, TEMG 001 E two GEE(H&SS)	(Total: 19 credits)
	Spring	C ELEC 254, FINA 111, MARK 112 R ELEC 296, LANG 201, TEMG 001 E two ELEC, FREE	(Total: 20 credits)
3rd year	Fall	C ELEC 290 R LANG 111/LANG 113/ FREE, TEMG 001 E two ELEC, two FREE, SB&M	(Total: 19 credits)
	Spring	C IELM 311 R ELEC 397, TEMG 001 E two ELEC, GEE(H&SS), GEE(SCIE), two SB&M	(Total: 21 credits)
4th year	Fall	R ELEC 398, ECON 115, TEMG 001 E two ELEC, GEE(H&SS), SB&M	(Total: 19 credits)
	Spring	R ELEC 099, ELEC 399, LANG 307, TEMG 001 E three ELEC, SB&M	(Total: 18 credits)

[^] Students who have grade E or better in AL Pure Mathematics or in AL Applied Mathematics are not required to take MATH 021.

* LABU 101 is a two-semester course. The course credits will be earned on completion of the course at the end of the 1st year Spring.

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

