(For students admitted in 2010-11 under the 3-year degree)

Curriculum for BEng in Electronic Engineering and BBA in General Business Management

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 1004	Programming Fundamentals and Methodology	4
		IELM 2200	Engineering Management	3
		IELM 4110	Engineers in Society	1
		ACCT 2010	Principles of Accounting I	3
(3)		ECON 2103	Principles of Microeconomics	3
(3)	or	ECON 2113	Microeconomics	3
(3)	or	ECON 2913	Honors Microeconomics	3
		ECON 2152	Engineering Economics and Finance	2
		FINA 2303	Financial Management	3
		ISOM 2500	Business Statistics	3
		ISOM 2700	Operations Management	3
		MARK 2120	Marketing Management	3
		MGMT 2110	Organizational Behavior	3
		MGMT 2120	Business, Society and the Individual	1
(4)		LANG 1112	Chinese Business Communication I	3
(5)		MATH 1018	Concise Calculus	4
		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
(6,7,8)	ELEC	Electrical and Electronic Engineering Elective	-	27
(9)	SB&M	Business and Management Elective	8	27

Other Requirements

ELEC 2920	Professional Development in Engineering Business I	0
ELEC 3920	Professional Development in Engineering Business II	0
TEMG 1010	Technology and Management Professional Activities	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 third year.

(3) Students entering with AL Economics take ECON 2113; however, those with grade B or above in HKAL Economics will take ECON 2913. All other students without AL Economics background, including those entering with AL Business and Economics, take ECON 2103.

(4) Students cannot replace this course by LANG 1110 (prior to 2012-13)/1111 (prior to 2011-12) 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 1112, they will replace this course by LANG 1120.

(5) Students who have grade E or better in AL Pure Mathematics or in AL Applied Mathematics are not required to take MATH 1018.

(6) 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 3600; ELEC 4510

(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 3000-level or above taken in 2011-12 and after, or at 200-level or above taken prior to 2011-12 will be considered.

(8) ENGG 4950 can be used to count toward the ELEC elective requirement.

(9) ISOM 2010 cannot be used to count toward the SB&M elective requirement. Of these 27 credits, at least 9 credits must be at 4000-level or above taken in 2011-12 and after, or at 300-level or above taken prior to 2011-12; at least 9 credits must be at 3000-level or above taken in 2011-12 and after, or at 200-level or above taken prior to 2011-12; and at least 8 credits (2 courses) of business elective courses must be offered by HKUST School of Business and Management. ACCT 3650 is a recommended elective.

A minimum of 139 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 1018, the minimum total required is 143 credits.