(For students admitted in 2012-13 under the 3-year degree)

Curriculum for BEng in Industrial Engineering and Engineering Management 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

(1)		IELM 1990	Industrial Training	0
		IELM 2100	Computing in Industrial Applications	3
		IELM 2150	Product Design and Communication	3
		IELM 2200	Engineering Management	3
		IELM 2510	Engineering Probability and Statistics	4
		IELM 3010	Operations Research I	3
		IELM 3130	Ergonomics and Safety Management	3
		IELM 3150	Manufacturing Processes	3
		IELM 3250	Operations Research II	3
		IELM 3270	Quality Engineering	3
		IELM 3300	Industrial Data Systems	3
		IELM 4100	Integrated Production Systems	3
		IELM 4110	Engineers in Society	1
		IELM 4130	System Simulation	3
		IELM 4990	Industrial Engineering Design Project	6
		CENG 1500	A First Course on Materials Science and Applications	3
		CIVL 2150	Introduction to Statics and Dynamics	3
		COMP 1022P	Introduction to Computing with Java	3
		ELEC 2410	Basic Electronics	4
		ACCT 2010	Principles of Accounting I	3
(2)		ECON 2103	Principles of Microeconomics	3
(2)	or	ECON 2113	Microeconomics	3
(2)	or	ECON 2913	Honors Microeconomics	3
		FINA 2303	Financial Management	3
		MARK 2120	Marketing Management	3
		MGMT 2110	Organizational Behavior	3

	MGMT 2120	Business, Society and the Individual	1
(3)	LANG 1112	Chinese Business Communication I	3
(4)	MATH 1018	Concise Calculus	4
	MATH 2011	Introduction to Multivariable Calculus	3
	MATH 2111	Matrix Algebra and Applications	3

Elective courses

	Elective types		Minimum no. of courses	Minimum total credits
(5)	ENGG	Engineering Elective	5	15
(6)	SB&M	Business and Management Elective	9	29

Other Requirements

IELM 1010	Academic and Professional Development I	0
IELM 1020	Academic and Professional Development 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) 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.

(3) 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.

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

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

(6) ISOM 2010, ISOM 2500 and ISOM 2700 cannot be used to count toward the SB&M elective requirement. Of these 29 credits, at least 9 credits must be at 4000-level or above; at least 9 credits must be at 3000-level or above; and at least 12 credits (3 courses) of business elective courses must be offered by HKUST School of Business and Management. ACCT 2200, ECON 2123, and MGMT 4110 are recommended electives.

A minimum of 139 credits is required for the BEng program in Industrial Engineering and Engineering Management and BBA program in General Business Management. For students who are required to take MATH 1018, the minimum total required is 143 credits.