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

Curriculum for BEng in Mechanical 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

(1)		MECH 1990	Industrial Training	0
		MECH 2030	Mechanisms and Dynamics of Machinery	3
		MECH 2310	Thermodynamics	3
		MECH 2410	Engineering Materials I	3
		MECH 2520	Design and Manufacturing I	3
		MECH 3010	Solid Mechanics I	3
		MECH 3020	Solid Mechanics II	3
		MECH 3210	Fluid Mechanics	3
		MECH 3310	Heat Transfer	3
		MECH 3420	Engineering Materials II	3
		MECH 3520	Design and Manufacturing II	4**
		MECH 3610	Control Principles	4**
		MECH 3630	Electrical Technology	3
		MECH 3830	Laboratory I**	3**
		MECH 3840	Laboratory II	3
		MECH 4910	Final Year Design Project	9
		COMP 1022Q	Introduction to Computing with Excel VBA	3
		ELEC 2410	Basic Electronics	4
		IELM 4110	Engineers in Society	1
		ACCT 2010	Principles of Accounting I	3
		ACCT 3650	Engineering Law	2
(2)		ECON 2103	Principles of Microeconomics	3
(2)	or	ECON 2113	Microeconomics	3
(2)	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
(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
	MATH 2351	Introduction to Differential Equations	3

Elective courses

	Elective types		Minimum no. of courses	Minimum total credits
(5)	MECH	Mechanical Engineering Elective	4	12
(6)	SB&M	Business and Management Elective	7	25

Other Requirements

MECH 1020	Academic and Professional Development I	0
MECH 1030	Academic and Professional Development II	0
TEMG 1010	Technology and Management Professional Activities	0

***Remarks on course(s):*

- MECH 3520: The credit value will be changed to 3 starting from Fall, 2014-15.
- MECH 3610: The credit value will be changed to 3 starting from Spring, 2014-15.
- MECH 3830: The course title will be changed to "Laboratory" starting from Spring, 2014-15.
- MECH 3830: The credit value will be changed to 4 starting from Spring, 2014-15.

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) All MECH courses at 3000- or 4000-level except MECH 3820 and MECH 4800 can be counted as MECH elective. Besides, ENGG 4950 can be used to count toward the MECH elective requirement.

(6) ISOM 2010 and MGMT 1110 cannot be used to count toward the SB&M elective requirement. Of these 25 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 8 credits (2 courses) of business elective courses must be offered by HKUST School of Business and Management.

A minimum of 152 credits is required for the BEng program in Mechanical Engineering and BBA program in General Business Management. For students who are required to take MATH 1018, the minimum total required is 156 credits.