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

Curriculum for BEng in Computer Science 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

		COMP 1004**	Programming Fundamentals and Methodology	4
(1)		COMP 1999	Industrial Training	0
		COMP 2012	Object-Oriented Programming and Data Structures	4
		COMP 2611	Computer Organization	4
(2)		COMP 2711	Discrete Mathematical Tools for Computer Science	4
		COMP 3031	Principles of Programming Languages	3
		COMP 3111	Software Engineering	4
		COMP 3511	Operating Systems	3
		COMP 3711	Design and Analysis of Algorithms	3
		COMP 4982	Final Year Project	7
		ELEC 1100	Introduction to Electro-Robot Design	4
	or	ELEC 2410	Basic Electronics	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
		FINA 2303	Financial Management	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 2411	Applied Statistics	4

Elective courses

	Elective types		Minimum no. of courses	Minimum total credits
(6,8)	COMP	Computer Science Elective	5	15
(6,8)	COMP/ ELEC/ MATH	Computer Science Elective/ Electrical and Electronic Engineering Elective Mathematics Elective	2	6
(7,8)	ENGG	Engineeering Elective	1	3
(9)	SB&M	Business and Management Elective	9	29

Other Requirements

COMP 1900	Academic and Professional Development I	0
COMP 2900	Academic and Professional Development II	0
COMP 3900	Academic and Professional Development III	0
TEMG 1010	Technology and Management Professional Activities	0

***Remarks on course(s):*

- COMP 1004: The course was last offered in 2012-13 and was deleted subsequently.

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) With prior approval from the COMP UG Coordinator, students may take MATH 2343 to fulfill the requirement of COMP 2711.

(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) COMP 1001, COMP 1002 and COMP 1003 cannot be used to count toward the COMP elective requirement. At least twelve credits must be at 3000-level or higher, among which at least six credits must be at 4000-level or higher. ELEC and MATH electives must be at 2000-level or higher. Students on the COMP honors track may earn one extra credit through taking COMP 3711H in replacement of COMP 3711. Students who have earned a total of 3 extra credits through taking COMP 2971 (prior to 2012-13), COMP 3711H, COMP 3971 (prior to 2012-13) or COMP 4971 may reduce the COMP elective requirements by one course (three credits).

(7) All COMP and certain courses cannot be used to count toward the ENGG elective requirement. Students must check the departmental website at http://www.cse.ust.hk/ug/faq-registration/ for the list of courses in concern.

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

(9) In addition to ISOM 2010 and ISOM 2500, certain courses cannot be used to count toward the SB&M elective requirement. Students must check the departmental web site at http://www.cse.ust.hk/ug/faq-registration/ for the list of courses in concern. 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.

A minimum of 142 credits is required for the BEng program in Computer Science and BBA program in General Business Management. For students who are required to take MATH 1018, the minimum total required is 146 credits.