

Declaration of major

School:		School of Engineering and School of Business Management		Student's Pathways (i.e. Study Pattern)											
Department:		Dual Degree Program (BEng in Electronic Engineering and BBA in General Business Management)		Pathway 1											
Program:				Background: HKDSE 4 Core + 2 Elec (incl. 1/2x PHYS)											
				Profile: Normative Students to graduate in (Beng & BBA) EEGBM											
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Year 5 Fall	Year 5 Spring	Sub-total	Remarks

BEng in Electronic Engineering

Major Requirements

Engineering Fundamental Courses

ELEC/MATH		Note: (ELEC2600 OR ELEC2600H) OR MATH2011 OR MATH2111 OR MATH 2351 (3 courses out of 5)	9-10												
ELEC	2600	Probability and Random Processes in Engineering	4												
ELEC	2600H	Honors Probability and Random Processes in Engineering	4			3	3	3						9	
MATH	2011	Introduction to Multivariable Calculus	3												
MATH	2111	Matrix Algebra and Applications	3												
MATH	2351	Introduction to Differential Equations	3												
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP1022Q OR COMP2011	3-4												
COMP	1022P	Introduction to Computer Science	3												
COMP	1022Q	Introduction to Computing with Java	3			3								3	This course will also be used to substitute ISOM 2010
COMP	2011	Introduction to Computing with Excel VBA	3												
COMP	2011	Introduction to Object-oriented Programming	4												
ENGG	1010	Academic Orientation	0	0	0									0	
LANG	2030	Technical Communication I	3							3				3	
MATH		Note: [(MATH1012 OR MATH1013 OR MATH1023) AND (MATH1014 OR MATH1024)] OR [MATH1020]	4-7												
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3												
MATH	1014	Calculus II	3	3	3									6	
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
MATH	1024	Honors Calculus II	3												
PHYS		Note: PHYS1112 OR PHYS1312	3												
PHYS	1112	General Physics I with Calculus	3	3										3	
PHYS	1312	Honors General Physics I	3												
PHYS		Note: PHYS1114 OR PHYS1154 OR PHYS1314	3												
PHYS	1114	General Physics II	3		3									3	
PHYS	1314	Honors General Physics II	3												
SENG		Engineering Introduction course (If the students take an introduction course included in their major, this course can be counted towards their major requirement.)	3-4		3									3	
Required credits for Engineering Fundamental Courses			28-34											30	

Major Required Courses and Electives

ELEC	1100	Introduction to Electro-Robot Design	4			4								4	
ELEC	1200	A System View of Communications: from Signals to Packets	4				4							4	
ELEC	1991	Industrial Experience (Electronic Engineering)	0						0	0	0			0	
ELEC	2100	ELEC2100 OR ELEC2100H	4							4				4	
ELEC	2100H	Honors Signals and Systems	4												
ELEC	2200	Digital Circuits and Systems	4						4					4	
ELEC	2300	Computer Organization	4							4				4	
ELEC	2400	Electronic Circuits	4						4					4	
ELEC	2910	Academic and Professional Development I	0			0	0							0	
ELEC	3910	Academic and Professional Development II	0					0	0					0	
ELEC		Note: ELEC4900 OR ELEC4901 (Students taking the Research Option must take ELEC 4901)	6												
ELEC	4900	Final Year Design Project	6									3	3	6	
ELEC	4901	Final Year Thesi	6												
ENGG	2010	Engineering Seminar Series	0			0	0	0	0					0	
LANG	4031	Technical Communication II for ECE & CPEG	3									3		3	
ELEC		Area Courses (3 courses from the specified elective list)	12								8	4		12	
ELEC		ELEC 4000-level Electives (Any 2 courses of the subject and level as specified. ELEC4940 cannot be used to count towards this elective requirement)	6									3	3	6	
Required credits for Major Requirements Courses and Electives			51											51	

BBA in General Business Management

School Requirements

ACCT	2010	Principles of Accounting I	3			3								3	
ACCT	2200	Principles of Accounting II	3						3					3	
ECON		Note: ECON2103 OR ECON2113	3												
ECON	2103	Principles of Microeconomics	3			3								3	
ECON	2113	Microeconomics	3												
ECON		Note: ECON2123 OR ECON3123 (Students who wish to pursue BSc ECOF must take ECON 3123)	3					3						3	
ECON	2123	Macroeconomics	3												
ECON	3123	Macroeconomic Theory I	3												
FINA	2303	Financial Management	3						3					3	
ISOM	2010	Introduction to Information Systems	3												Substituted by COMP 1021/1022P/1022Q
ISOM	2500	Business Statistics	3				3							3	
ISOM	2700	Operations Management	3						3					3	
MARK	2120	Marketing Management	3				3							3	
MGMT	2010	Business Ethics and the Individual	2					2						2	
MGMT	2110	Organizational Behavior	3					3						3	
MGMT	2130	Business Ethics and Social Responsibility	2								2			2	
SBMT	1111	Business Student Induction	0											0	Waived for DDP students
LABU	2040	Business Case Analyses	3				3							3	
LABU	2060	Effective Communication in Business	3					3						3	
MATH		Note: MATH1003 OR MATH1012 OR MATH1013 OR MATH1020 OR MATH1023	3-4												
MATH	1003	Calculus and Linear Algebra	3												
MATH	1012	Calculus IA	4	(3)											
MATH	1013	Calculus IB	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
Required credits for School Requirements			43-44											37	

Major Requirements

Major Required Courses and Electives

SB&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)	29			3			3		6	5	5	7	29
Required credits for Major Required Courses and Electives			29											29	

Additional Requirements

Requirements for Dual Degree Program

Required Courses

TEMG	1010	Technology and Management Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	
Required credits for Additional Requirements			0											0	

University CORE

CORE	C3 - C12	U CORE - Others	30	9	3		3	3		3	6		3	30	
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
Sub-total for University CORE			36											36	

Term load (excl. free credits)

18	18	16	19	20	20	17	19	20	16
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Notes:

() indicates the reuse of the same course to fulfill more than one requirement.

--- denotes the course/requirement is either waived or substituted

To graduate, students should complete all requirements as specified for DDP.

**Remarks on course(s):