The Hong Kong University of Science and Technology
Interdisciplinary Programs Office
An Example on Student's Pathway (as of Summer 2018-19)

EEGBM 2016-17 Intake

<< Declaration of major

School:	School of Engineering and School of Business Management		Student's Pathways (i.e. Study Pattern)	
Department:			Pathway 1	
Program:	Dual Degree Program (BEng in Electronic Engineering and BBA in General Business Management)		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				3	3	3					9	
ELEC	2600H	Honors Probability and Random Processes in Engineering	4												
MATH	2011	Introduction to Multivariable Calculus	3												
MATH	2111	Matrix Algebra and Applications	3												
MATH	2351	Introduction to Differential Equations	3												
COMP		Note: COMP 1021 OR COMP 1022P OR COMP 1022Q OR COMP 2011	3-4												This course will also be used to substitute ISOM 2010
COMP	1021	Introduction to Computer Science	3				3							3	
COMP	1022P	Introduction to Computing with Java	3												
COMP	1022Q	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]	4-6												
MATH	1012	Calculus IA	4	3	3									6	
MATH	1013	Calculus IB	3												
MATH	1014	Calculus II	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
MATH	1024	Honors Calculus II	3												
PHYS		Note: PHYS 1112 OR PHYS 1312	3												
PHYS	1112	General Physics I with Calculus	3	3										3	
PHYS	1312	Honors General Physics I	3												
PHYS		Note: PHYS 1114 OR PHYS 1154 OR PHYS 1314	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	28-33											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		ELEC 2100 OR ELEC 2100H	4												
ELEC	2100	Signals and Systems	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: ELEC 4900 OR ELEC 4901 (Students taking the Resech 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)	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: ECON 2103 OR ECON 2113	3												
ECON	2103	Principles of Microeconomics	3				3							3	
ECON	2113	Microeconomics	3												
ECON		Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123)	3												
ECON	2123	Macroeconomics	3					3						3	
ECON	3123	Macroeconomic Theory I	3												
FINA	2303	Financial Management	3						3					3	
ISOM	2010	Introduction to Information Systems	3	---	---	---	---	---	---	---	---	---	---	0	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	2060**	Effective Communication in Business**	3						3					3	
LABU	2040**	Business Case Analyses**	3				3							3	
MATH		Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												DDP students should take MATH 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees
MATH	1003	Calculus and Linear Algebra	3	(3)											
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3											0	
		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		
						183##								

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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.