## The Hong Kong University of Science and Technology

Interdisciplinary Programs Office

School of Engineering and School of Business Management

An Example on Student's Pathway (as of Summer 2018-19)

<< Declaration of major

EEGBM 2016-17 Intake

Student's Pathways (i.e. Study Pattern)

Department: Program:		School of Engineering and School of Business Management							Pathway 1		s (i.e. Stud	y Pattern)			
		Dual Degree Program (BEng in Electronic Engineering and BBA in Gener Business Management)	al				2 Elec (incl		′S)						-
Course	Course Code	Course Title / Courses List	Т	Profile: N		tudents to	graduate in	(Beng & E	BA) EEGB	ВМ	Г	Г			-
Offering Dept. course code prefix)			Cred	Year 1 Fa	Year 1 Spri	Year 2 Fa	Year 2 Sprir	Year 3 F	Year 3 Sprii	Year 4 Fa	Year 4 Sprin	Year 5 F	Year 5 Spri	Sub-tot	Remarks
REng in Fle	ctronic Engi	ineering	lits	all	ing	all	ing	Fall	ing	<u>a</u>	ing	all	ing	tal	
lajor Require		meering .													
Ingineering Funda	amental Courses	1	1	П			1	1	П	1			1	Т	1
LEC/MATH		Note: (ELEC2600 OR ELEC2600H) OR MATH2011 OR MATH2111 OR MATH 2351 (3 courses out of 5)	9-10			i									
ELEC	2600 2600H	Probability and Random Processes in Engineering Honors Probability and Random Processes in Engineering	4			3	3	3						9	
MATH MATH	2011 2111	Introduction to Multivariable Calculus Matrix Algebra and Applications	3			i									
OMP	2351	Introduction to Differential Equations  Note: COMP 1021 OR COMP 1022P OR COMP 1022Q OR COMP 2011	3-4			<del>!</del>									
COMP COMP	1021 1022P	Introduction to Computer Science Introduction to Computing with Java	3			3								3	This course will also be used to substitute ISOM 2010
COMP COMP	1022Q 2011	Introduction to Computing with Excel VBA Introduction to Object-oriented Programming	3 4			<u>i</u>									Substitute ISOW 2010
NGG ANG	1010 2030	Academic Orientation Technical Communication I	0	0	0	<u> </u>			3					0	
MATH	2030	Note: [(MATH1012 OR MATH1013 OR MATH1023) AND (MATH1014 OR MATH1024)]	4-6			!			3					3	
MATH MATH	1012 1013	OR [MATH1020] Calculus IA Calculus IB	4 3			ļ.									
MATH MATH	1013 1014 1020	Calculus II Accelerated Calculus	3 4	3	3	ļ								6	
MATH MATH	1020 1023 1024	Honors Calculus I Honors Calculus II	3			! !									
PHYS		Note: PHYS 1112 OR PHYS 1312	3			!									
PHYS PHYS	1112 1312	General Physics I with Calculus Honors General Physics I	3	3		! :								3	
PHYS PHYS	1114	Note: PHYS 1114 OR PHYS 1154 OR PHYS 1314 General Physics II	3		3	:								3	
PHYS	1314	Honors General Physics II	3	-		<u> </u>									
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	
	I.	Required credits for Engineering Fundamental Courses	28-33											30	
	ourses and Electiv	T	1 4	I		4									1
ELEC	1100	Introduction to Electro-Robot Design	4			4								4	
ELEC	1200	A System View of Communications: from Signals to Packets	4			<u>:</u>	4		0	0	0			4	
LEC	1991	Industrial Experience (Electronic Engineering) ELEC 2100 OR ELEC 2100H	4			<del>i          </del>			0	0	0			0	
ELEC	2100 2100H	Signals and Systems Honors Signals and Systems	4 4			<u> </u>				4				4	
ELEC	2200 2300	Digital Circuits and Systems  Computer Organization	4			i —			4	4				4	
ELEC	2400	Electronic Circuits	4			i			4					4	
ELEC	2910 3910	Academic and Professional Development I  Academic and Professional Development II	0			0	0	0	0					0	
ELEC	3310	Note: ELEC 4900 OR ELEC 4901 (Students taking the Resech	6			i		0	0					0	
ELEC	4900	Option must take ELEC 4901) Final Year Design Project	6			i						3	3	6	
ELEC ENGG	4901 2010	Final Year Thesi	6			0	0	0	0					0	
LANG	4031	Engineering Seminar Series Technical Communication II for ECE & CPEG	3			i	0	U	U			3		3	
ELEC ELEC		Area Courses (3 courses from the specified elective list)  ELEC 4000-level Electives (Any 2 courses of the subject and level as specified)	12 6			Ĭ .					8	4	3	12 6	
ELEC	Re	equired credits for Major Requirements Courses and Electives				<del>i                                     </del>						3	3	51	
BBA in Gen	eral Busines	ss Management													
School Requir		1		П				1	ı	1			1	ı	,
ACCT ACCT	2010 2200	Principles of Accounting I Principles of Accounting II	3			3			3					3	
ECON ECON	2103	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics	3			3								3	
ECON ECON	2113	Microeconomics Note: ECON 2123 OR ECON 3123 (Students who wish to pursue	3			l								,	
ECON	2123	BSc ECOF must take ECON 3123 (diddenis who wish to pursue Macroeconomics	3			ļ		3						3	
ECON	3123	Macroeconomic Theory I	3			<u> </u>			_						
FINA	2303	Financial Management Introduction to Information Systems	3			<u> </u>			3					3	Substituted by COMP
ISOM	2500	Business Statistics	3			<u> </u>	3							3	1021/1022P/1022Q
SOM	2700	Operations Management	3			!			3					3	
	2120	Mankating Managament		11			3	_						3 2	
	2010**	Marketing Management  Business Ethics and the Individual	3	+		:		2						_	
MGMT MGMT	2010** 2110	Business Ethics and the Individual Organizational Behavior	2 3					3						3	
MGMT MGMT MGMT	2110 2130	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility	2 3 2					3				2		2	Waived for DDP students
MARK MGMT MGMT MGMT SBMT LABU	2110	Business Ethics and the Individual Organizational Behavior	2									2			Waived for DDP students
MGMT MGMT MGMT SBMT LABU LABU	2110 2130 1111	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses**	2 3 2 0 3 3				3	3						2	Waived for DDP students
MGMT MGMT MGMT SBMT LABU LABU MATH	2110 2130 1111 2060** 2040**	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra	2 3 2 0 3 3 3-4 3					3						2 0 3	DDP students should take MATH
MGMT MGMT MGMT SBMT LABU LABU MATH MATH MATH MATH MATH	2110 2130 1111 2060** 2040** 1002 1012 1013	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IA Calculus IB	2 3 2 0 3 3 3-4 3 4 3	(3)				3						2 0 3	DDP students should take MATH 1012 or MATH 1013 or MATH 10: or MATH 1023 to satisfy the
MGMT MGMT MGMT SBMT ABU ABU MATH MATH MATH MATH MATH	2110 2130 1111 2060** 2040** 1003 1012	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IIA Calculus IIA Calculus IIA Accelerated Calculus Honors Calculus I	2 3 2 0 3 3 3-4 3 4 3 4 3					3						2 0 3 3 3	DDP students should take MATH 1012 or MATH 1013 or MATH 10 or MATH 1023 to satisfy the
AGMT AGMT AGMT BBMT ABU ABU AATH AATH AATH AATH AATH AATH AATH	2110 2130 1111 2060** 2040** 1003 1012 1013 1020 1023	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IA Calculus IB Accelerated Calculus	2 3 2 0 3 3 3-4 3 4 3 4 3					3						2 0 3 3	DDP students should take MATH 1012 or MATH 1013 or MATH 100 or MATH 1023 to satisfy the requirements of both BEng and BI
AGMT AGMT AGMT AGMT ABM ABU ABU AATH AATH AATH AATH AATH AATH AATH AAT	2110 2130 1111 2060** 2040** 1003 1012 1013 1020 1023	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IB Accelerated Calculus I Required credits for School Requirements	2 3 2 0 3 3 3-4 3 4 3 4 3					3		***				2 0 3 3 3	DDP students should take MATH 1012 or MATH 1013 or MATH 10 or MATH 1023 to satisfy the requirements of both BEng and Bi
AGMT AGMT AGMT ABMT ABM ABU AABU AATH AATH AATH AATH AATH AATH AATH AAT	2110 2130 1111 2060** 2040** 1003 1012 1013 1020 1023	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IB Accelerated Calculus I  Required credits for School Requirements  ReS  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.)	2 3 2 0 3 3 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4					3			5		7	2 0 3 3 3	DDP students should take MATH 1012 or MATH 1013 or MATH 10 or MATH 1023 to satisfy the requirements of both BEng and Bi
AGMT AGMT AGMT AGMT ABMT ABU AABU AATH AATH AATH AATH AATH AATH AATH AAT	2110 2130 1111 2060** 2040** 1003 1012 1013 1020 1023  **ments  purses and Electiv	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IB Accelerated Calculus I  Required credits for School Requirements  ### Required Credits for School Requirements  ### Case	2 3 2 0 3 3 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4					3						2 0 3 3 3	DDP students should take MATH 1012 or MATH 1013 or MATH 100 or MATH 1023 to satisfy the requirements of both BEng and BI
MGMT MGMT MGMT SBMT ABU ABU MATH MATH MATH MATH MATH MATH MAJOR Require Major Require Cossess  Additional R	2110 2130 1111 2060** 1003 1012 1013 1020 1023  ments purses and Electiv	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IB Accelerated Calculus Honors Calculus I  Required credits for School Requirements  ESB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)  Required Credits for Major Required Courses and Electives S	2 3 2 0 3 3 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4					3						2 0 3 3 3 0 0 37	DDP students should take MATH 1012 or MATH 1013 or MATH 100 or MATH 1023 to satisfy the requirements of both BEng and BI
MGMT MGMT MGMT SBMT LABU MATH MATH MATH MATH MATH MATH MATH MATH	2110 2130 1111 2060** 1012 1013 1020 1023  ments purses and Electiv  Requirement for Dual Degr	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IB Accelerated Calculus Honors Calculus I  Required credits for School Requirements  ESB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)  Required Credits for Major Required Courses and Electives S	2 3 2 0 3 3 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4					3						2 0 3 3 3 0 0 37	DDP students should take MATH 1012 or MATH 1013 or MATH 10 or MATH 1023 to satisfy the requirements of both BEng and Bi
MGMT MGMT MGMT MGMT SBMT LABU MATH MATH MATH MATH MATH MATH MATH MATH	2110 2130 1111 2060** 1012 1013 1020 1023  ments purses and Electiv  Requirement for Dual Degr	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus and Linear Algebra Calculus IB Accelerated Calculus I  Required credits for School Requirements  Required credits for School Requirements  ### 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.)  Required Courses and Electives  ### Required Courses and Electives  ### Required Courses and Electives  ### Courses are of 3000-level or above.)  ### Required Courses and Electives  ### Courses and Electives  ##	2 3 2 0 3 3 3 3 4 4 3 4 3 4 4 3 4 2 9 5 2 9					3						2 0 3 3 3 0 37	DDP students should take MATH 1012 or MATH 1013 or MATH 10 or MATH 1023 to satisfy the requirements of both BEng and Bi
MGMT MGMT MGMT MGMT MGMT ABU AABU MATH MATH MATH MATH MATH MATH MATH MATH	2110 2130 1111 2060** 2040** 1003 1012 1013 1020 1023  ments curses and Electiv  Requirement for Dual Degr	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IB Accelerated Calculus I  Required credits for School Requirements  Required credits for School Requirements  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.)  Required Credits for Major Required Courses and Electives S  Eee Program	2 3 2 0 3 3 3 3 4 4 3 4 3 4 4 3 4 2 9 5 2 9	(3)	3		3	3		6	5	5	7	2 0 3 3 3 0 37	DDP students should take MATH 1012 or MATH 1013 or MATH 10 or MATH 1023 to satisfy the requirements of both BEng and Bi
MGMT MGMT MGMT SBMT LABU LABU MATH MATH MATH	2110 2130 1111 2060** 2040** 1003 1012 1013 1020 1023  ments curses and Electiv  Requirement for Dual Degr	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus and Linear Algebra Calculus IB Accelerated Calculus I  Required credits for School Requirements  Required credits for School Requirements  ### 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.)  Required Courses and Electives  ### Required Courses and Electives  ### Required Courses and Electives  ### Courses are of 3000-level or above.)  ### Required Courses and Electives  ### Courses and Electives  ##	2 3 2 0 3 3 3 3 4 4 3 4 3 4 4 3 4 2 9 5 2 9	(3)	3		3	3		6	5	5	7	2 0 3 3 3 0 37	DDP students should take MATH 1012 or MATH 1013 or MATH 100 or MATH 1023 to satisfy the requirements of both BEng and Bt
MGMT MGMT MGMT MGMT MGMT ABU ABU MATH MATH MATH MATH MATH MATH MAIOR Required Co BB&M  Additional R Requirements Required Courses FEMG  University CO	2110 2130 1111 2060** 1003 1012 1013 1020 1023  ments curses and Electiv  Requirement for Dual Degr	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IB Accelerated Calculus Honors Calculus I  Required credits for School Requirements  Required credits for School Requirements 4 courses are of 3000-level or above.)  Required credits for Major Required Courses and Electives See Program  Technology and Management Professional Activities Required credits for Additional Requirements U CORE - English Language	2 3 2 0 3 3 3 3 3 4 4 3 4 3 4 4 3 4 4 3 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(3)	3		0	3		6	5	5	7	2 0 3 3 3 0 37 29 29	DDP students should take MATH 1012 or MATH 1013 or MATH 100 or MATH 1023 to satisfy the requirements of both BEng and Bt
MGMT MGMT MGMT MGMT MGMT ABU AABU MATH MATH MATH MATH MATH MATH MATH MATH	2110 2130 1111 2060** 2040** 1003 1012 1013 1020 1023  ments  curses and Electiv  Requirement for Dual Degr  1010  RE  C3 - C12	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Ethics and Social Responsibility Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IA Calculus IA Calculus IB Required credits for School Requirements  Required credits for School Requirements  ### Required Courses and Electives  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.)  Required credits for Major Required Courses and Electives  See Program  Technology and Management Professional Activities  Required credits for Additional Requirements	2 3 2 0 3 3 3 3 3 4 4 3 4 3 4 4 3 4 4 3 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	3		0	3		6	5	5	7	2 0 3 3 3 0 37 29 29	DDP students should take MATH 1012 or MATH 1013 or MATH 100 or MATH 1023 to satisfy the requirements of both BEng and BI
IGMT IGMT IGMT IGMT IGMT IGMT ABU ABU IATH IATH IATH IATH IATH IATH IATH IATH	2110 2130 1111 2060** 2040** 1003 1012 1013 1020 1023  ments  curses and Electiv  Requirement for Dual Degr  1010  RE  C3 - C12	Business Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility Business Ethics and Social Responsibility Business Student Induction Effective Communication in Business** Business Case Analyses** Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IB Accelerated Calculus Honors Calculus I  Required credits for School Requirements  Required credits for School Requirements 4 courses are of 3000-level or above.)  Required credits for Major Required Courses and Electives See Program  Technology and Management Professional Activities Required credits for Additional Requirements U CORE - English Language	2 3 2 0 3 3 3 3 3 4 4 3 4 3 4 4 3 4 4 3 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	3		0	3 3 3 3 3 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0	6	5	5	7	2 0 3 3 3 0 37 29 29	DDP students should take MATH 1012 or MATH 1013 or MATH 100 or MATH 1023 to satisfy the requirements of both BEng and Bt

School:

- ( ) indicates the reuse of the same course to fulfill more than one requirement.
- --- denotes the course/requirement is either waived or substituted  $\ensuremath{^{\#\#}}$  To graduate, students should complete all requirements as specified for DDP.

\*\*Remarks on course(s):

- LABU 2040: This is a new course subject to approval. (effective from 2016/17 and applicable to students admitted in or after 2016/17) - LABU 2060: This is a new course subject to approval. (effective from 2016/17 and applicable to students admitted in or after 2016/17)

- MGMT2010: Previous Course Code: SBMT 2010

<sup>&</sup>gt;> The content of this example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalog/UG Curriculum Handbook for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it out from respective School and Department.