The Hong Kong University of Science and Technology

Interdisciplinary Programs Office

An Example on Student's Pathway (as of July 11, 2022)

EEECON **2021-22 Intake**

(Via DDP PBA)

School:		School of Engineering and School of Business Management		Student's Pathway											
Program:		**Dual Degree Program (BEng in Electronic Engineering and BBA in Economics)**													
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**
						<< Declaration of BEng major		*<< Declaration of BBA major*							
BEng in Electronic Engineering															
Major Requirements															
Engineering Fundamental Courses															
		Note: ELEC2600 OR ELEC2600H) OR MATH2011 OR MATH2111 OR MATH2350 OR MATH 2351 (3 courses out of 6)	9-10												
ELEC	2600	Probability and Random Processes in Engineering	4												
ELEC	2600H	Honors Probability and Random Processes in Engineering	4												
MATH	2011	Introduction to Multivariable Calculus	3	3		3		3						9	
MATH	2111	Matrix Algebra and Applications	3												
MATH	2350	Applied Linear Algebra and Differential Equations	3												
MATH	2351	Introduction to Differential Equations	3												
		Note: COMP1021 OR COMP1022P													
COMP	1021	Introduction to Computer Science	3		3									3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
COMP	1022P	Introduction to Computing with Java	3												
		Note: COMP 2011 OR COMP 2012H	4-5												
COMP	2011	Programming with C++	4			4								4	
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
ENGG	1010	Academic Orientation	0	0	0									0	
LANG	2030	Technical Communication I	3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
		Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	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												
		Note: PHYS1112 OR PHYS1312													
PHYS	1112	General Physics I with Calculus	3	3										3	
PHYS	1312	Honors General Physics I	3												
		Note: PHYS1114 OR PHYS1314													
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)									0	
		Required credits for Engineering Fundamental Courses	32-38											28	
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	
		Note: ELEC2100 OR ELEC2100H													
ELEC	2100	Signals and Systems	4							4				4	
ELEC	2100H	Honors Signals and Systems	4												
ELEC	2350	Introduction to Computer Organization and Design	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	
		Note: [ELEC 2991 AND (ELEC 4900 OR ELEC 4901)] OR [ELEC 4910] (Students taking the Research Option must take ELEC 4901)	6												
ELEC	4900	Final Year Design Project	6												
ELEC	4901	Final Year Thesis	6									3	3	6	
ELEC	2991	Industrial Experience (Electronic Engineering)	0												
ELEC	4910	Co-op Program	6												
ENGG	2010	Engineering Seminar Series	0			0	0	0	0					0	
LANG	4031	Technical Communication II for ECE & CPEG	3									3		3	
ELEC		ELEC 3000-level or above Electives (Courses of the subject and level as specified, out of which at least 2 courses must be at 4000-level. ELEC 4940 cannot be used to count towards this elective requirement)	21				3		3		6	3	6	21	
		Required credits for Major Requirements Courses and Electives	50											50	
BBA in Economics															
School Requirements															
ACCT	2010	Principles of Accounting I	3	3										3	
ACCT	2200	Principles of Accounting II	3						3					3	
		Note: ECON2103 OR ECON2113													
ECON	2103	Principles of Microeconomics	3			3								3	
ECON	2113	Microeconomics	3												ECON 2103 / 2113 / 2123 is a major pre-requisite
		Note: ECON2123 OR ECON3123													
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/ 2011/ 2012H
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students if they have taken and passed COMP 1021 or COMP 1029P
ISOM	2500	Business Statistics	3			3								3	
ISOM	2600	Introduction to Business Analytics	1					1						1	
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	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
LABU	2060	Effective Communication in Business	3					3						3	
		Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												
MATH	1003	Calculus and Linear Algebra	3	(3)											
MATH	1012	Calculus IA	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	1013	Calculus IB	3											0	
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
		Required credits for School Requirements	43-44											35	
Major Requirements															
Major Required Courses and Electives															
ECON	3014	Managerial Microeconomics	4					4						4	
ECON	3024	Managerial Macroeconomics	4						4					4	
ECON	3334	Introduction to Econometrics	4							4				4	
ECON	4670	Economics Research and Communication	0									0		0	
ECON		ECON 4000-level Electives (Any 3 courses of the subject and level as specified)	11								4	4	3	11	
		Required credits for Major Required Courses and Electives	23											23	
Additional Requirements															
Requirements for Dual Degree Program															
Required Courses															
TEMG	1010	T&M Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	
TEMG	3950	T&M Case Analysis and Product Innovation	3		3									3	
TEMG	4950	T&M Corporate Consulting Project	3-5						4					4	
		Required credits for Additional Requirements	7											7	
University CORE															
CORE	C3 - C12	U CORE - Others	30	3	3	3	3			6	6	3	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	20	19	19	20	18	16	16	15		
				179##											
						<< Declaration of BEng major		*<< Declaration of BBA major*							

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):

>> 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.