The Hong Kong University of Science and Technology
Interdisciplinary Programs Office
An Example on Student's Pathway (as of May 2, 2023)

EEECON 2022-23 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)**				<< Declaration of BEng major		<< Declaration of BBA major							
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

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
		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	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	2350	Applied Linear Algebra and Differential Equations	3												
MATH	2351	Introduction to Differential Equations	3												
COMP	1021	Note: COMP1021 OR COMP1022P; 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												
COMP	2011	Note: COMP 2011 OR COMP 2012H; Programming with C++	4-5 / 4			4								4	
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
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	3	3									6	
MATH	1013	Calculus IB	3												
MATH	1014	Calculus II	4												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
MATH	1024	Honors Calculus II	3												
PHYS	1112	Note: PHYS1112 OR PHYS1312; General Physics I with Calculus	3	3										3	
PHYS	1312	Honors General Physics I	3												
PHYS	1114	Note: PHYS1114 OR PHYS1314; 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

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
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	2100	Note: ELEC2100 OR ELEC2100H; 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									3	3	6	
ELEC	4901	Final Year Thesis	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

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
ACCT	2010	Principles of Accounting I	3	3										3	
ACCT	2200	Principles of Accounting II	3						3					3	
ECON	2103	Note: ECON2103 OR ECON2113; Principles of Microeconomics	3			3								3	ECON 2103 / 2113 / 2123 is a major pre-requisite
ECON	2113	Microeconomics	3												
ECON	2123	Note: ECON2123 OR ECON3123; 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	
LABU	2040	Business Case Analyses	3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
ECON	3700	Writing as an Economist	3								3			3	
		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)										0	
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3												
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

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
ECON	3014	Managerial Microeconomics	4					4						4	
ECON	3024	Managerial Macroeconomics	4						4					4	
ECON	3334	Introduction to Econometrics	4							4				4	
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

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
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

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
CORE	C3 - C9	U CORE - Others	21				3	3		6	3	3	3	21	
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
CORE	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	0	3									3	
		Sub-total for University CORE	30											30	

Term load (excl. free credits)											
15	18	17	19	19	20	18	16	16	15		
				173##							

<< 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.