The Hong Kong University of Science and Technology
Academy of Interdisciplinary Studies
An Example on Student's Pathway (as of August 3, 2023)

IDECON 2023-24 Intake
(Via DDP PBA)

School: School of Engineering and School of Business Management

Program: Dual Degree Program (BSc in Integrative Systems and Design and BBA in Economics)

<< Declaration of BSc major   << Declaration of BBA major

Student's Pathway

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
BSc in Integrative Systems and Design															
Major Requirements															
Engineering Fundamental Courses															
		Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5												
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												
COMP	2011	Programming with C++	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] (Subject to approval of the program office, MATH 1014/1024 may be replaced by a COMP course)	4-7												
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												
		Note: PHYS1101 OR PHYS1111 OR PHYS1112 OR PHYS1312													
PHYS	1101	Introductory Physics	4		3									3	
PHYS	1111	General Physics I	3												
PHYS	1112	General Physics I with Calculus	3												
PHYS	1312	Honors General Physics I	3												
		Required credits for Engineering Fundamental Courses	13-18											12	
Major Required Courses and Electives															
ISDN	1001	Introduction to Integrative Systems and Design	3			3								3	
ISDN	1002	Redefining Problems for the Real Needs	3			3								3	
ISDN	1004	Sketching	1			1								1	
ISDN	1006	Human-centered Innovation	3				3							3	
ISDN	1010	Academic Orientation I	0			0	0							0	
ISDN	1011*	Industrial Training	0											0	Take in Winter or Summer
ISDN	2001	Second Year Design Project I	1					1						1	
ISDN	2002	Second Year Design Project II	4						3					3	
ISDN	2010	Academic Orientation II						0	0						
ISDN	2200	Systems Thinking and Design	3			3								3	
ISDN	2300	Digital Design	3			3								3	
ISDN	2400	Physical Prototyping	3						3					3	
ISDN	2601	Exploring the World Thorugh Smart Mechatronics	3				3							3	
ISDN	2602	Internet of Things: Integrative System Design	3					3						3	
ISDN	2603	Materials, Shape and Design	3						3					3	
ISDN	3200	Graphic Communication	2							2				2	
ISDN	3001	Third Year Design Project I	4							3				3	
ISDN	3002	Third Year Design Project II	4								3			3	
ISDN	3010	Academic Orientation III								0	0				
ISDN	4001	Final Year Design Project I	5									4		4	
ISDN	4002	Final Year Design Project II	5										4	4	
ISDN	4010	Academic Orientation IV										0	0		
LANG	4030 4031 4032 4034	Note: LANG 4030 OR LANG 4031 OR LANG 4032 OR LANG 4034 Technical Communication II for CSE, CPEG & DSCT Technical Communication II for ECE & CPEG Technical Communication II for IEDA and ISDN Technical Communication II for Mechanical and Aerospace Engineering	3						3					3	
ISDN		Project-related Electives (Students should seek approval of their advisor for the choices of courses)	18					3	3	3	6	3		18	
ISDN/ENTR/TEMG/FINA/ISOM/MARK		Product Management and Entrepreneurship Electives (Courses from the specified elective list, of which at least 1 course must be at 3000-level or above.)	6								3			3	DDP students could use ISOM 2700/MARK 2120 to satisfy part of the requirement of Product Management and Entrepreneurship Electives
		Required credits for Major Requirements Courses and Electives	78											72	
BBA in Economics															
School Requirements															
ACCT	2010	Principles of Accounting I	3	3										3	
ACCT	2200	Principles of Accounting II	3						3					3	
ECON	2103	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics	3		3									3	ECON 2103 / 2113 / 2123 is a major pre-requisite
ECON	2113	Microeconomics	3												
ECON	2123	Note: ECON 2123 OR ECON 3123 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	0	
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	
ECON	3700	Writing as an Economist	3						3					3	
LANG	2062	Professional Speaking for the Workplace	3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra	3-4											0	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	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	45-46											34	
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		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 - C9	U CORE - Others	21			3	6					3	9	21	
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2									3	
		Sub-total for University CORE	30											30	
		Term load (excl. free credits)		16	17	19	18	18	19	20	18	17	16	178##	

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Notes:

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

* Courses offered in winter term

^ Courses offered in summer term

--- 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.