The Hong Kong University of Science and Technology
Academy of Interdisciplinary Studies
An Example on Student's Pathway (as of August 8, 2024)

IDMGMT 2024-25 Intake
(Via DDP PBA)

School:		Academy of Interdisciplinary Studies and School of Business Management		Student's Pathway											
Program:		**Dual Degree Program (BSc in Integrative Systems and Design and BBA in Management)**				<< Declaration of BSc 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

BSc in Integrative Systems and Design

Major Requirements

Major Required Courses and Electives

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
		Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5												Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
COMP	1021	Introduction to Computer Science	3	3										3	
COMP	1022P	Introduction to Computing with Java	3												
COMP	2011	Programming with C++	4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
		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	3-4												
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												
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	3						3					3	
ISDN	2010	Academic and Professional Development II	0					0	0					0	
ISDN	2200	Systems Thinking and Design	3			3								3	
ISDN	2300	Introduction to 3D 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	3							3				3	
ISDN	3002	Third Year Design Project II	3								3			3	
ISDN	3010	Academic and Professional Development III	0							0	0			0	
ISDN	4001	Final Year Design Project I	4									4		4	
ISDN	4002	Final Year Design Project II	4										4	4	
ISDN	4010	Academic and Professional Development IV	0									0	0	0	
LANG	4032	Technical Communication II for IEDA and ISDN	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	85-91											84	

BBA in Management

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	
		Note: ECON 2103 OR ECON 2113													
ECON	2103	Principles of Microeconomics	3		3									3	
ECON	2113	Microeconomics	3												
		Note: ECON 2123 OR ECON 3123													
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		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 2110 is a major pre-requisite
MGMT	2130	Business Ethics and Social Responsibility	2								2			2	
		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	39-40											31	

Major Requirements

Major Required Courses and Electives

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
		Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.)	4												Students in the Consulting Option must take MGMT 3120
MGMT	3110	Human Resources Management	4					4						4	
MGMT	3120	Managerial Leadership	4												
		Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.)	4												Students in the Consulting Option must take MGMT 3140
MGMT	3130	Judgement and Decision Making in Organizations	4						4					4	
MGMT	3140	Negotiation	4												
		Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.)	3-4												Students in the Consulting Option must take MGMT 4210. Students in the CSR Option must take MGMT 4210
MGMT	4210	Corporate Strategy	3								3			3	
MGMT	4220	Entrepreneurship and Innovation	4												
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)	9								3	3	3	9	Students in the Consulting Option are recommended to take MGMT 4220 and a new course in Simulating Strategy to fulfill the major elective requirement
		Required credits for Major Required Courses and Electives	20-21											20	

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	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	19	17	13	16	172##	

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

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):
Honors Object-Oriented Programming and Data Structures

>> 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.