The Hong Kong University of Science and Technology
Academy of Interdisciplinary Studies
An Example on Student's Pathway

AIMARK 2025-26 Intake
(Via DDP PBA)

<< Declaration of BEng major
<< Declaration of BBA major

School:	School of Engineering and School of Business Management														Student's Pathway
Program:	Dual Degree Program (BEng in Artificial Intelligence and BBA in Marketing)														

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	Subtotal	Remarks
BEng in Artificial Intelligence (AI)															
Engineering Fundamental Courses															
COMP	1023	Introduction to Python Programming	3	3										3	Students should take COMP1023 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
		Note: [(MATH 1013 OR MATH1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-6												
MATH	1013	Calculus IB	3	3	3									6	DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees
MATH	1014	Calculus II	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
MATH	1024	Honors Calculus II	3												
		Note: MATH 2121 OR MATH 2131	4												
MATH	2121	Linear Algebra	4			4								4	
MATH	2131	Honors in Linear and Abstract Algebra I	4												
		Required Credits for Engineering Fundamental Courses	11-13	6	3	4	0	0	0	0	0	0	0	13	
Major Required Courses and Electives															
COMP	1944	Artificial Intelligence Ethics	3					3						3	
		Note: (COMP 2011 AND COMP 2012) OR COMP 2012H	5-8												
COMP	2011	Programming with C++	4		4	4								8	
COMP	2012	Object-Oriented Programming and Data Structures	4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
COMP	2211	Exploring Artificial Intelligence	3			3								3	
COMP	2611	Computer Organization	4			4								4	
		Note: COMP 2711 OR COMP 2711H	4												
COMP	2711	Discrete Mathematical Tools for Computer Science	4				4							4	
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science	4												
COMP	3211	Fundamentals of Artificial Intelligence	3				3							3	
		Note: COMP 3711 OR COMP 3711H	3-4												
COMP	3711	Design and Analysis of Algorithms	3					3						3	
COMP	3711H	Honors Design and Analysis of Algorithms	4												
COMP	4211	Machine Learning	3					3						3	
		Note: COMP 4221 OR COMP 4471	3												
COMP	4221	Introduction to Natural Language Processing	3						3					3	
COMP	4471	Deep Learning in Computer Vision	3												
COMP	4900	Note: Students are required to take COMP 4900 for every regular term in which they are in residency at HKUST with major in COMP Academic and Professional Development	0	0	0	0	0	0	0	0	0	0	0	0	
		Note: [COMP 1991 AND (COMP 4981 OR COMP 4981H)] OR [COMP 4910]	6												
COMP	1991	Industrial Experience	0								0	3	3	6	
COMP	4910	Co-op Program	6												
COMP	4981	Final Year Project	6												
COMP	4981H	Final Year Thesis	6												
MATH	2411	Applied Statistics	4				4							4	Students should take MATH2411 which will also be used to substitute ISOM2500
COMP		COMP Electives (6 courses from the specified elective list, of which at least 4 courses should be taken from Artificial Intelligence area and at least 2 courses from Other-COMP area).	18						3	6	6	3		18	
		BEng in Artificial Intelligence Major Requirements	59-63	0	4	11	11	9	3	3	6	9	6	62	
BBA in Marketing															
School Requirements															
ACCT	2010	Principles of Accounting I	3			3								3	
ACCT	2200	Principles of Accounting II	3						3					3	
		Note: ECON 2103 OR ECON 2113	3												
ECON	2103	Principles of Microeconomics	3				3							3	
ECON	2113	Microeconomics	3												
		Note: ECON 2123 OR ECON 3123	3												
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	COMP 1023 is more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 instead of ISOM 2010.
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	ISOM 2020 is waived for DDP students who have taken and passed COMP 1023 . The COMP course is similar or more advanced coding (Python) courses as ISOM 2020.
ISOM	2500	Business Statistics	3	-	-	-	-	-	-	-	-	-	-	0	Substituted by MATH 2411
ISOM	2600	Introduction to Business Analytics	1						1					1	
ISOM	2700	Operations Management	3							3				3	
MARK	2120	Marketing Management	3	3										3	MARK 2120 is a major pre-requisite
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	
		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												
MATH	1003	Calculus and Linear Algebra	3	(3)										0	DDP students should take MATH 1013 and MATH 1023 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees
MATH	1013	Calculus IB	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
		Required Credits for School Requirements	39-40	3	3	3	6	3	4	3	2	0	2	29	
Major Required Courses and Electives															
MARK	3220	Marketing Research	4					4						4	
MARK	3420	Consumer Behavior	4						4					4	
MARK	4210	Strategic Marketing	4							4				4	
MARK		MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified)	12								4	4	4	12	
		Required Credits for Major Required Courses and Electives	24	0	0	0	0	4	4	4	4	4	4	24	
Additional Requirements for Dual Degree															
Requirements for Dual Degree Program															
TEMG	1011	T&M Professional Activities I	0	0	0									0	
TEMG	1012	T&M Professional Activities II	0			0	0							0	
TEMG	1013	T&M Professional Activities III	0					0	0					0	
TEMG	1014	T&M Professional Activities IV	0							0	0			0	To graduate, students should complete **ALL** requirements as specified for DDP.
TEMG	1015	T&M Professional Activities V	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	0	3	0	0	0	4	0	0	0	0	7	
University Common Core Requirement															
CORE	C3 - C9	U CORE - Others	21						3	9	3	3	3	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	4	5	0	0	0	3	9	3	3	3	30	
		Term load (excl. free credits)		13	18	18	17	16	18	19	15	16	15	**165**	
								165##							

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.