The Hong Kong University of Science and Technology

Academy of Interdisciplinary Studies

An Example on Student's Pathway (as of April 1, 2025)

DAGBUS 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 Decision Analytics and BBA in Global Business)**													**Remarks**
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**	
BEng in Decision Analytics															
Engineering Fundamental Courses															
COMP COMP COMP	1023 2011 2012H	Note: COMP1023 OR COMP2011 OR COMP2012H Introduction to Python Programming Programming with C++ Honors Object-Oriented Programming and Data Structures	3-5 3 4 5	3										3	Students should take COMP 1023, COMP 2011 or COMP 2012H which will also be used to substitute ISOM 2010 and to waive ISOM 2020
CHEM PHYS PHYS	1012 1112 1312	Note: CHEM1012 OR PHYS1112 OR PHYS1312 General Chemistry B: Atomic Structure, Molecules, and Bonding Theories General Physics I with Calculus Honors General Physics I	3 3 3 3	3										3	
MATH MATH MATH MATH MATH	1013 1014 1020 1023 1024	Note: [(MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] Calculus I Calculus II Accelerated Calculus Honors Calculus I Honors Calculus II	4-6 3 3 4 3 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	2011	Introduction to Multivariable Calculus	3				3							3	
MATH	2111	Matrix Algebra and Applications	3			3								3	
		Required Credits for Engineering Fundamental Courses	16-20	9	3	3	3	0	0	0	0	0	0	18	
Major Required Courses and Electives															
IEDA	1010	Academic and Professional Development I	0	0	0									0	
IEDA	1020	Academic and Professional Development II	0			0	0							0	
IEDA	1901	Industrial Training and Experience	0											0	
IEDA	2010	Introduction of Industrial Engineering and Decision Analytics	3	3										3	
IEDA	2520	Probability for Engineers	3			3								3	
IEDA	2540	Statistics for Engineers	3				3							3	This course will also be used to substitute ISOM2500
IEDA	3010	Prescriptive Analytics	3					3						3	
IEDA	3230	Engineering Economics and Accounting	3			3								3	
IEDA	3250	Stochastic Models	3					3						3	
IEDA	3300	Industrial Data Systems	3			3								3	
IEDA	3560	Predictive Analytics	3						3					3	
IEDA IEDA	4901 4920	Note: IEDA4901 OR IEDA4920 Final Year Thesis Decision Analytics Final Year Project	6 6 6									3	3	6	
ECON ECON	2103 2113	Note: ECON2103 OR ECON2113 Principles of Microeconomics Microeconomics	3 3 3		3									3	
IEDA/ISOM		Area Electives (5 courses from the specified elective list, of which all 5 courses should be taken from the same area)	15						3	6	3	3		15	
		BEng in Decision Analytics Major Requirements	48	3	3	9	3	6	6	6	3	6	3	48	
BBA in Global Business															
School Requirements															
ACCT	2010	Principles of Accounting I	3	3										3	
ACCT	2200	Principles of Accounting II	3				3							3	
ECON ECON	2105 2113	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics Microeconomics	3 3 3			(3)								0	
ECON ECON	2123 3125	Note: ECON 2123 OR ECON 3123 Macroeconomics Macroeconomic Theory I	3 3 3						3					3	
FINA	2303	Financial Management	3				3							3	
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	COMP 1023, COMP 2011 or COMP 2012 are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP 1023, COMP 2011 or COMP 2012 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, COMP 2011 or COMP 2012. These COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.
ISOM	2500	Business Statistics	3	-	-	-	-	-	-	-	-	-	-	0	Substituted by IEDA 2540
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	
MATH MATH MATH MATH	1003 1013 1020 1023	Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus I Accelerated Calculus Honors Calculus I	3-4 3 3 4 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
		Required Credits for School Requirements	39-40	3	3	0	9	2	3	2	3	0	1	26	
Major Required Courses and Electives															
GBUS	1000	Global Leadership Development	0					0	0	0	0	0	0	0	
GBUS	2010	Global Business Analysis	3						3					3	
GBUS/SBMT GBUS SBMT	2040 2100-2110	Note: GBUS 2040 OR SMST 2100-2110 Environmental, Social, and Governance (ESG) Corporate Project Community Services Project	1-4 1 4						1	[1]				1	
GBUS/ISOM GBUS ISOM	3030 4780	Note: GBUS 3030 OR ISOM 4780 Global Business Case Studies Integrated Planning and Execution	3-4 4 3							3	[3]			3	
GBUS	4910	Capstone Project	4									4	[4]	4	
GBUS		Global Business Electives (Courses from the specified elective list, of which at least 6 credits from each area and at least 2 courses must be offered by GBUS. Courses taken to fulfill requirements of an additional major in SBM may not be counted towards this elective requirement.)	15								6	3	6	15	
		Required Credits for Major Required Courses and Electives	26-30	0	0	0	0	0	4	3	6	7	6	26	
Additional Requirement 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	4	0	0	0	0	0	7	
University Common Core Requirement															
CORE	C3 - C9	U CORE - Others	21			3		3	3	3	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	3	0	3	3	3	3	3	3	30	
								Term load (excl. free credits)							
				19	17	15	15	15	16	14	15	16	13	**155**	
				155##											

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.