The Hong Kong University of Science and Technology

Academy of Interdisciplinary Studies

An Example on Student's Pathway (as of Aug 05, 2026)

COGBM **2026-27 Intake**

(Via DDP PBA)

School:	School of Engineering and School of Business Management	<< Selection of BEng major		<< Declaration of BEng major		<< Selection of BBA major							Student's Pathway	
Program:	Dual Degree Program (BEng in Computer Science and BBA in General Business Management)													
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 Computer Science															
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 MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-6												
MATH	1013	Calculus I	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 2111 OR MATH 2121 OR MATH 2131	3-4												
MATH	2111	Matrix Algebra and Applications	3			3								3	
MATH	2121	Linear Algebra	4												
MATH	2131	Honors in Linear and Abstract Algebra I	4												
		Required Credits for Engineering Fundamental Courses	10-13	6	3	3	0	0	0	0	0	0	0	12	
Major Required Courses and Electives															
COMP□	□	Note: [(COMP 1991 AND (COMP 4981 OR COMP 4981H)]□	6												
□	□	OR [COMP 4910]□													
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												
		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	2611	Computer Organization	4				4							4	
		Note: COMP2711 OR COMP2711H	4												
COMP	2711	Discrete Mathematical Tools for Computer Science	4			4								4	
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science	4												
		Note: COMP3111 OR COMP3111H	4												
COMP	3111	Software Engineering	4					4						4	
COMP	3111H	Honors Software Engineering	4												
COMP	3511	Operating Systems	3					3						3	
		Note: COMP3711 OR COMP3711H	3-4												
COMP	3711	Design and Analysis of Algorithms	3					3						3	
COMP	3711H	Honors Design and Analysis of Algorithms	4												
COMP	4900	Note: Students are required to take COMP4900 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	
ELEC/IEDA/MATH		Note: ELEC 2600 OR ELEC 2600H OR IEDA 2520 OR IEDA 2540 OR MATH 2411 OR MATH 2421 OR MATH 2431	3-4												
ELEC	2600	Probability and Random Processes in Engineering	4												
ELEC	2600H**	Honors Probability and Random Processes in Engineering**	4												
IEDA	2520	Probability for Engineers	3				4							4	Students should take MATH 2411 which will also be used to substitute ISOM 2500.
IEDA	2540	Statistics for Engineers	3												
MATH	2411	Applied Statistics	4												
MATH	2421	Probability	4												
MATH	2431	Honors Probability	4												
COMP		COMP 2000-level or above Elective (Any course(s) of the subject and level as specified)	3								3			3	
COMP		COMP Electives (5 courses from the specified elective list, of which at least 3 courses should be taken from 1 area and at least 2 courses outside that area (including course(s) in the Courses Without Associated Area). Students may use at most one course under Deep Learning Applications (COMP 4471 and COMP 5215) to count towards this elective requirement.)	15						6	6	3			15	
		BEng in Computer Science Major Requirements	50-55	0	0	8	12	10	6	6	6	3	3	54	
BBA in General Business Management															
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 COMP 1023 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	
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 I	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
		Required Credits for School Requirements	39-40	3	3	6	4	3	3	3	2	0	2	29	
Major Required Courses and Electives															
SB&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)	29					3	4	4	9	6	3	29	
		Required Credits for Major Required Courses and Electives	29	0	0	0	0	3	4	4	9	6	3	29	
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	0	4	0	0	0	0	7	
University Common Core Requirement															
CORE	C3 - C10	U CORE - Others	21	3	3	0	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	7	8	0	3	3	0	3	0	3	3	30	
				Term load (excl. free credits)											
				16	16	17	19	19	17	16	17	12	11	**161**	
				161##											

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):

ELEC 2600H: The course was last offered in 2021-22 and was deleted subsequently.

>> 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.