The Hong Kong University of Science and Technology
Academy of Interdisciplinary Studies
An Example on Student's Pathway (as of April 1, 2025)

COFINA 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 Computer Science and BBA in Finance)														
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

Dept	Code	Title	Cr	1F	1S	2F	2S	3F	3S	4F	4S	5F	5S	Sub	Remarks
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]	6-7												
MATH	1013	Calculus I	3	3	3									6	DDP students shall 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		6	3	3	0	0	0	0	0	0	0	12	

Major Required Courses and Electives

Dept	Code	Title	Cr	1F	1S	2F	2S	3F	3S	4F	4S	5F	5S	Sub	Remarks
		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	
		Note: [COMP 1991 AND (COMP 4981 OR COMP 4981H)] OR [COMP 4910]	6												
COMP	1991	Industrial Experience	0											6	
COMP	4910	Co-op Program	6						0			3	3		
COMP	4981	Final Year Project	6												
COMP	4981H	Final Year Thesis	6												
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					4						4	Students should take MATH 2411 which will also be used to substitute ISOM 2500.
ELEC	2600H	Honors Probability and Random Processes in Engineering	4												
IEDA	2520	Probability for Engineers	3												
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 5223) to count towards this elective requirement.)	15						3	3	3	3	3	15	
		BEng in Computer Science Major Requirements	60-66	0	4	8	12	9	3	3	3	6	6	54	

BBA in Finance

School Requirements

Dept	Code	Title	Cr	1F	1S	2F	2S	3F	3S	4F	4S	5F	5S	Sub	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	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	FINA 2303 is a major pre-requisite
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	COMP 1023 are 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	
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	6	3	3	4	3	3	3	2	0	2	29	

Major Required Courses and Electives

Dept	Code	Title	Cr	1F	1S	2F	2S	3F	3S	4F	4S	5F	5S	Sub	Remarks
FINA	3001	Key Skills for Finance Professionals (A)	1					1						1	
FINA	3103	Intermediate Investments	3					3						3	
FINA	3203	Derivative Securities	3						3					3	
FINA	3303	Intermediate Corporate Finance	3						3					3	
FINA	3810	Bloomberg Market Concepts Certification	0					0						0	
		Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6												
ACCT	3010	Financial Accounting I	3						3					3	
ACCT	3020	Financial Accounting II	3												
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors	3												
		Note: ISOM 3230 OR ISOM 3400	3												
ISOM	3230	Business Programming in VBA	3						3					3	If DDP students took COMP 1023 in BEng requirement, they are required to enroll ISOM 3230
ISOM	3400	Business Applications Development in Python	3												
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9							3	3	3		9	
		Required Credits for Major Required Courses and Electives	25-28	0	0	0	0	4	6	6	3	3	3	25	

Additional Requirement for Dual Degree

Requirements for Dual Degree Program

Dept	Code	Title	Cr	1F	1S	2F	2S	3F	3S	4F	4S	5F	5S	Sub	Remarks
TEMG	1011	T&M Professional Activities I	0	0	0									0	
TEMG	1012	T&M Professional Activities II	0		0	0								0	To graduate, students should complete **ALL** requirements as specified for DDP.
TEMG	1013	T&M Professional Activities III	0					0	0					0	
TEMG	1014	T&M Professional Activities IV	0							0	0			0	
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 Requirements

Dept	Code	Title	Cr	1F	1S	2F	2S	3F	3S	4F	4S	5F	5S	Sub	Remarks
CORE	C3 - C9	U CORE - Others	21							3	6	6	3	18	
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	0	3	6	6	3	27	
		Term load (excl. free credits)		16	18	14	16	16	16	15	14	15	14	**154**	
								154##							

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.