The Hong Kong University of Science and Technology

Academy of Interdisciplinary Studies

An Example on Student's Pathway (as of Dec 21, 2025)

EEMGMT **2025-26 intake**

(Via DDP PBA)

School:	School of Engineering and School of Business Management			<< Selection of BEng major				<< Selection of BBA major						Student's Pathway
Program:	**Dual Degree Program (BEng in Electronic Engineering and BBA in 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 Electronic Engineering															
Engineering Fundamental Courses															
		Note: ELEC 2600 OR MATH 2011 OR MATH 2111 OR MATH 2350 OR MATH 2351 (3 courses out of 5)	9-10												
ELEC	2600	Probability and Random Processes in Engineering	4												
MATH	2011	Introduction to Multivariable Calculus	3			3	3	3						9	
MATH	2111	Matrix Algebra and Applications	3												
MATH	2350	Applied Linear Algebra and Differential Equations	3												
MATH	2351	Introduction to Differential Equations	3												
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: COMP2011 OR COMP2012H	4-5												
COMP	2011	Programming with C++	4			4								4	
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
		Note: [(MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-6												
MATH	1013	Calculus I	3												
MATH	1014	Calculus II	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	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
MATH	1024	Honors Calculus II	3												
		Note: PHYS1112 OR PHYS1312	3												
PHYS	1112	General Physics I with Calculus	3	3										3	
PHYS	1312	Honors General Physics I	3												
		Note: PHYS1114 OR PHYS1314	3												
PHYS	1114	General Physics II	3		3									3	
PHYS	1314	Honors General Physics II	3												
		Required Credits for Engineering Fundamental Courses	26-30	6	9	7	3	3	0	0	0	0	0	28	
Major Required Courses and Electives															
ELEC	1100	Introduction to Electro-Robot Design	4	4										4	
ELEC	1200	A System View of Communications: from Signals to Packets	4		4									4	
ELEC	1910	Academic and Professional Development I	0	0	0									0	
ELEC	2100	Signals and Systems	4					4						4	
ELEC	2350	Introduction to Computer Organization and Design	4				4							4	
ELEC	2400	Electronic Circuits	4			4								4	
ELEC	2910	Academic and Professional Development II	0			0	0							0	
ELEC	2991	Industrial Experience (Electronic Engineering)	0				0	0	0					0	Students should complete safety training and internship/industrial training to get pass of ELEC 2991
ELEC	3910	Academic and Professional Development III	0					0	0					0	
		Note: [ELEC 4900 OR ELEC 4901)] OR [ELEC 4910] (Students taking the Research Option must take ELEC 4901)	6												
ELEC	4900	Final Year Design Project	6									3*	3	6	3* = 1 credit in year 4 Summer + 2 credits in year 5 Fall.
ELEC	4901	Final Year Thesis	6												
ELEC	4910	Co-op Program	6												
ELEC		ELEC 3000-level or above Electives (Courses of the subject and level as specified, out of which at least 2 courses must be at 4000-level. ELEC 4940 cannot be used to count towards this elective requirement)	21						11	3	3	4		21	
		BEng in Electronic Engineering Major Requirements	47	4	4	4	4	4	11	3	3	7	3	47	
BBA in 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, COMP 1022P, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H 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 or COMP 1029P or COMP2011 or COMP2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.
ISOM	2500	Business Statistics	3			3								3	
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 2110 is a major pre-requisite
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	3	9	3	3	3	3	0	2	32	
Major Required Courses and Electives															
		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												
MGMT	3110	Human Resources Management	4					4						4	Students in the Consulting Option must take MGMT 3120
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												
MGMT	3130	Judgement and Decision Making in Organizations	4						4					4	Students in the Consulting Option must take MGMT 3140
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												
MGMT	4210	Corporate Strategy	3							3				3	Students in the Consulting Option must take MGMT 4210 Students in the CSR Option must take MGMT 4210
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	28-27	0	0	0	0	4	4	3	3	3	3	20	
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				6	3	3	6	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	0	0	6	3	3	6	30	
								Term load (excl. free credits)							
				17	24	17	16	18	18	15	12	13	14	164	
								164##							

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.