The Hong Kong University of Science and Technology
Academy of Interdisciplinary Studies
An Example on Student's Pathway (as of Dec 21, 2025)

AEGBM 2025-26 Intake
(Via DDP PBA)

<< Selection of BEng major | << Declaration of BEng major | << Selection of BBA major

School:	School of Engineering and School of Business Management														Student's Pathway
Program:	Dual Degree Program (BEng in Aerospace Engineering 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 Aerospace Engineering
Engineering Fundamental Courses

Course Offering Dept.	Course Code	Course Title / Courses List	Credits	Y1 Fall	Y1 Spr	Y2 Fall	Y2 Spr	Y3 Fall	Y3 Spr	Y4 Fall	Y4 Spr	Y5 Fall	Y5 Spr	Sub-total	Remarks
		Note: COMP1023 OR COMP2011 OR COMP2012H	3-5											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
COMP	1023	Introduction to Python Programming	3	3											
COMP	2011	Programming with C++	4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
		Note: [(MATH 1013 OR MATH1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-7											6	DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees
MATH	1013	Calculus I	3	3	3										
MATH	1014	Calculus II	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
MATH	1024	Honors Calculus II	3												
MATH	2011	Introduction to Multivariable Calculus	3				3							3	
		Note: MATH2111 OR MATH2350 OR MATH2351	3											3	
MATH	2111	Matrix Algebra and Applications	3					3							
MATH	2350	Applied Linear Algebra and Differential Equations	3												
MATH	2351	Introduction to Differential Equations	3												
		Note: PHYS1112 OR PHYS1312	3											3	
PHYS	1112	General Physics I with Calculus	3		3										
PHYS	1312	Honors General Physics I	3												
		Science 1000-level course (1 course of the specificied course list)	3-4											3	
CHEM	1008	Introductory Chemistry	3		3										
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3												
LIFS	1901	General Biology I	3												
PHYS	1101	Introductory Physics	4												
		Required Credits for Engineering Fundamental Courses	19-25	6	9	3	3	0	0	0	0	0	0	21	

Major Required Courses and Electives

Course Offering Dept.	Course Code	Course Title / Courses List	Credits	Y1 Fall	Y1 Spr	Y2 Fall	Y2 Spr	Y3 Fall	Y3 Spr	Y4 Fall	Y4 Spr	Y5 Fall	Y5 Spr	Sub-total	Remarks
MECH	1001	Academic and Professional Development I	0	0	0	0	0							0	
MECH	1910	Foundations of Mechanical and Aerospace Engineering	3	3										3	
MECH	1990	Industrial Training	0			0^	0^							0	
MECH	2002	Academic and Professional Development II	0					0	0	0	0			0	
MECH	2007	Aerospace Engineering: Principles and Systems	3			3								3	
MECH	2020	Statics and Dynamics	3			3								3	
MECH	2040	Solid Mechanics I	3				3							3	
MECH	2210	Fluid Mechanics	3				3							3	
MECH	2310	Thermodynamics	3			3								3	
MECH	3400	Introduction to Composite Materials	3					3						3	
MECH	3610	Control Principles	3					3						3	
MECH	3620	Aircraft Design	3						3					3	
MECH	3640	Aerodynamics	3					3						3	
MECH	3650	Aircraft Structural Analysis	3					3						3	
MECH	3660	Gas Turbines and Jet Propulsion	3						3					3	
MECH	3670	Aircraft Performance and Stability	3					3						3	
MECH	3680	Avionics Systems	3						3					3	
MECH	3690	Aerospace Engineering Laboratory	3						3					3	
MECH	4980	Final Year Aerospace Design Project	6									3	3	6	
ELEC	2420	Basic Electronics	3			3								3	
MECH		AE Electives (2 courses from the specified elective list)	6							3	3			6	
		BEng in Aerospace Engineering Major Requirements	60	3	0	12	6	15	12	3	3	3	3	60	

BBA in General Business Management
School Requirements

Course Offering Dept.	Course Code	Course Title / Courses List	Credits	Y1 Fall	Y1 Spr	Y2 Fall	Y2 Spr	Y3 Fall	Y3 Spr	Y4 Fall	Y4 Spr	Y5 Fall	Y5 Spr	Sub-total	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											3	
ECON	2103	Principles of Microeconomics	3		3										
ECON	2113	Microeconomics	3												
		Note: ECON 2123 OR ECON 3123	3											3	
ECON	2123	Macroeconomics	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 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP 1023, COMP 2011 and COMP 2012H 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 and COMP 2012H. These 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	2130	Business Ethics and Social Responsibility	2								2			2	
		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4											0	DDP students should take MATH 1013 and MATH 1023 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees
MATH	1003	Calculus and Linear Algebra	3	(3)											
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	6	1	3	2	3	2	3	32	

Major Required Courses and Electives

Course Offering Dept.	Course Code	Course Title / Courses List	Credits	Y1 Fall	Y1 Spr	Y2 Fall	Y2 Spr	Y3 Fall	Y3 Spr	Y4 Fall	Y4 Spr	Y5 Fall	Y5 Spr	Sub-total	Remarks
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	3	3	4	3	7	6	29	
		Required Credits for Major Required Courses and Electives	23	0	0	0	3	3	3	4	3	7	6	29	

Additional Requirement for Dual Degree
Requirements for Dual Degree Program

Course Offering Dept.	Course Code	Course Title / Courses List	Credits	Y1 Fall	Y1 Spr	Y2 Fall	Y2 Spr	Y3 Fall	Y3 Spr	Y4 Fall	Y4 Spr	Y5 Fall	Y5 Spr	Sub-total	Remarks
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	0	0	4	0	0	7	

University Common Core Requirement

Course Offering Dept.	Course Code	Course Title / Courses List	Credits	Y1 Fall	Y1 Spr	Y2 Fall	Y2 Spr	Y3 Fall	Y3 Spr	Y4 Fall	Y4 Spr	Y5 Fall	Y5 Spr	Sub-total	Remarks
CORE	C3 - C9	U CORE - Others	21							6	6	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	0	0	0	0	6	6	3	6	30	

| | | Term load (excl. free credits) | | 19 | 20 | 18 | 18 | 19 | 18 | 19 | 15 | 15 | 18 | **179** | |
| | | | | | | | | 179## | | | | | | | |

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.