The Hong Kong University of Science and Technology

Interdisciplinary Programs Office

An Example on Student's Pathway

AEGBM **2020-21 Intake**

(Via DDP PBA)

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 *<< Declaration of BEng major*	Year 2 Spring	Year 3 Fall *<< Declaration of BBA major*	Year 3 Spring	Year 4 Fall	Year 4 Spring	Year 5 Fall	Year 5 Spring	**Sub-total**	**Remarks**
BEng in Aerospace Engineering															
Major Requirements															
Engineering Fundamental Courses															
		Note: COMP1021 OR COMP1022P OR COMP2011	3-4												
COMP	1021	Introduction to Computer Science	3	3										3	This course will also be used to substitute ISOM 2010
COMP	1022P	Introduction to Computing with Java	3												
COMP	2011	Programming with C++	4												
ENGG	1010	Academic Orientation	0	0	0									0	
LANG	2030	Technical Communication I	3						3					3	
		Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-7												
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3	3	3									6	
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													
MATH	2111	Matrix Algebra and Applications	3												
MATH	2350	Applied Linear Algebra and Differential Equations	3				3							3	
MATH	2351	Introduction to Differential Equations	3												
		Note: PHYS1112 OR PHYS1312													
PHYS	1112	General Physics I with Calculus	3		3									3	
PHYS	1312	Honors General Physics I	3												
CHEM/LIFS/ PHYS		Science 1000-level course (Any 1 course of the subject and level as specified)	3		(3)									0	
		Required credits for Engineering Fundamental Courses	22-26											21	
Major Required Courses and Electives															
MECH	1907	Introduction to Aerospace Engineering	3			3								3	
MECH	1990	Industrial Training	0			0*	0^							0	
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	2410	Engineering Materials I	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	
ENGG	2010	Engineering Seminar Series	0			0	0	0	0					0	
LANG	4034	Technical Communication II for Mechanical and Areospace Engineering	3								3			3	
MECH		MECH Electives in Aerospace (2 courses from the specified elective list)	6									3	3	6	
		Required credits for Major Requirements Courses and Electives	63											63	
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													
ECON	2103	Principles of Microeconomics	3		3									3	
ECON	2113	Microeconomics	3												
		Note: ECON 2123 OR ECON 3123													
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	Substituted by COMP 1021/1022P/2011
ISOM	2020	Coding for Business	1					1						1	
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	
SBMT	1111	Business Student Induction	0	---	---	---	---	---	---	---	---	---	---	0	Waived for DDP students
LABU	2040	Business Case Analyses	3					3						3	
LABU	2060	Effective Communication in Business	3							3				3	
		Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												
MATH	1003	Calculus and Linear Algebra	3												
MATH	1012	Calculus IA	4												DDP students should take MATH 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees
MATH	1013	Calculus IB	3	(3)										0	
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
		Required credits for School Requirements	45-46											39	
Major Requirements															
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					6		3	3	7	10	29	
		Required credits for Major Required Courses and Electives	29											29	
Additional Requirements															
Requirements for Dual Degree Program															
Required Courses															
TEMG	1010	Technology and Management Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	
TEMG	3950	Case-based Problem Solving	3		3									3	
		Required credits for Additional Requirements	3											3	
University CORE															
CORE	C3 - C12	U CORE - Others	30	3		6		3	6		3	6	3	30	
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
		Sub-total for University CORE	36											36	
				Term load (excl. free credits)											
				18	18	21	20	20	20	18	18	19	19		
				191##											
						<< Declaration of BEng major		***<< Declaration of BBA major***							

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.