## The Hong Kong University of Science and Technology Academy of Interdisciplinary Studies

AEECON 2023-24 Intake

An Example on Student's Pathway (as of August 3, 2023)

<< Declaration of BEng major BBA major BEng major

School:		School of Engineering and School of Business Management			Student's Pathway										
Program:		Dual Degree Program (BEng in Aerospace Engineering and BBA in Econom	nics)												
				1											4
0				<u></u> ≼	Yea	i 🟅	Yes	i ≼	Yes	<b>≼</b>	Yea	<del>≾</del>	Yes	ဟ	Remarks
Course Offering Dept.	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
(course code prefix)			lits	Fa	Sprir	Fa	Sprir	Fal	Sprir	Fa	Sprir	Fal	Sprir	otal	
				_	g		ŋg		g	_	g		g		
BEng in Aer	ospace Eng	ineering													
Major Require	ements														
Engineering Fund															
		Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5			l		I							Т
COMP COMP	1021 1022P	Introduction to Computer Science Introduction to Computing with Java	3	3		i		i						3	Students should take COMP1021 which will also be used to substitut
COMP	2011	Programming with C++	4			:		:						3	ISOM 2010 and to waive ISOM 202
COMP LANG	2012H 2030	Honors Object-Oriented Programming and Data Structures  Technical Communication I	5 3	+		<u> </u>		<u> </u>				_		0	Waived for DDP students
LANG	2030	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND	4-7		-	<u> </u>	-	<del>!                                    </del>	-	-	-	-	-	0	Walved for DDP students
MATH	□ 1012	(MATH 1014 OR MATH 1024)] OR [MATH 1020] Calculus IA	4			i		i							
MATH	1013	Calculus IB	3	3	3	i		i						6	
MATH MATH	1014 1020	Calculus II Accelerated Calculus	3 4	3	3	į		:						0	
MATH	1023	Honors Calculus I	3			!		!							
MATH MATH	1024 2011	Honors Calculus II Introduction to Multivariable Calculus	3	1		3		!						3	
		Note: MATH2111 OR MATH2350 OR MATH2351				i		i							
MATH MATH	2111 2350	Matrix Algebra and Applications Applied Linear Algebra and Differential Equations	3			i	3	i						3	
MATH	2351	Introduction to Differential Equations	3			<u> </u>		<u> </u>							
PHYS	1112	Note: PHYS1112 OR PHYS1312 General Physics I with Calculus	3		3	<u> </u>		!						3	
PHYS	1312	Honors General Physics I	3	4		<u> </u>		<u> </u>							
CHEM/LIFS/ PHYS		Science 1000-level course (Any 1 course of the subject and level as specified)	3		(3)	<u>i</u>		<u>i</u>						0	
		Required credits for Engineering Fundamental Courses	22-26			<u>:                                    </u>		<u>:                                    </u>						18	
Major Required Co	ourses and Electiv		3	1	1	3						1		3	T
MECH MECH	1907	Introduction to Aerospace Engineering Industrial Training	0	1	<u> </u>	0*	0^	:						0	+
MECH	2020	Statics and Dynamics	3	1		3		<del>!</del>						3	<u> </u>
MECH	2040	Solid Mechanics I	3				3			L				3	<u></u>
MECH	2210	Fluid Mechanics	3			:	3	i						3	
MECH	2310	Thermodynamics	3			3								3	
MECH	2410	Engineering Materials I	3	1	<b> </b>	<u>:</u>		<u>.                                    </u>	3	_				3	-
MECH MECH	3400 3610	Introduction to Composite Materials  Control Principles	3	1	<b> </b>	<u>!</u>		3		3		-		3	
MECH	3610 3620	Control Principles Aircraft Design	3	1	<u> </u>	!					3			3	+
MECH	3640	Aerodynamics	3	1		i		i		3	Ť			3	†
MECH	3650	Aircraft Structural Analysis	3			i		i		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	4		<u> </u>		<u> </u>	3					3	
MECH MECH	3690 4980	Aerospace Engineering Laboratory Final Year Aerospace Design Project	3 6	-		1		<del>i                                      </del>			3	3	3	3 6	
ELEC	2420	Basic Electronics	3	-		<del></del>		3				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			<u>!</u>		!				3	3	6	
		quired credits for Major Requirements Courses and Electives	63			<u>i                                    </u>		<u>i                                    </u>						63	
BBA in Eco	nomics														
School Requir	rements														
ACCT	2010	Principles of Accounting I	3	3										3	
ACCT	2200	Principles of Accounting II  Note: ECON 2103 OR ECON 2113	3			<del>!</del>		!	3					3	
ECON	2103	Principles of Microeconomics	3		3	Ī		Ī						3	
ECON	2113	Microeconomics Note: ECON 2123 OR ECON 3123	3			i		<del>i          </del>							ECON 2103 / 2113 / 2123 is a majo pre-requisite
ECON	2123	Macroeconomics	3			i		i			3			3	pro-requisite
ECON FINA	3123 2303	Macroeconomic Theory I Financial Management	3	-		3		!						3	
ISOM	2010	Introduction to Information Systems	3					I I						0	Substituted by COMP
ISOW	2010	introduction to information systems	3	-	-	•	-	<del></del>	-	-	-	_	-	-	1021/1022P/2011/2012H Waived for DDP students if they
ISOM	2020	Coding for Business	1	-	-	i -	-	i -	-	-	-	-	-	0	have taken and passed COMP1021
ISOM	2500	Business Statistics	3	3		<del></del>		<del>.                                      </del>						3	or COMP 1029P
ISOM	2600	Introduction to Business Analytics	1			<u>:                                    </u>		1						1	
ISOM	2700	Operations Management	3			<del>!</del>		:					3	3	
MARK	2120	Marketing Management	3			)	3	Ĭ.						3	
MGMT	2010	Business Ethics and the Individual	2			į		i		2				2	
MGMT	2110	Organizational Behavior	3	_		<u>.</u>	3	<u>.                                      </u>				_		3	
MGMT ECON	2130 3700	Business Ethics and Social Responsibility Writing as an Economist	3	1		<u>:</u>		<u> </u>		-		3		3	-
LANG	2062	Professional Speaking for the Workplace	3	-	-	5 -	-		-		-	-	-	0	Waived for DDP students
		Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4	1	İ .	<u> </u>		<u>!</u>						Ť	DDP students should take MATH
MATH MATH	1003 1012	Calculus and Linear Algebra Calculus IA	3 4	(0)		I		I						_	1012 or MATH 1013 or MATH 1020
MATH MATH	1013 1020	Calculus IB Accelerated Calculus	3	(3)		i		i						0	or MATH 1023 to satisfy the requirements of both BEng and BB/
MATH MATH	1020 1023	Honors Calculus I	3	1	<u> </u>										degrees
		Required credits for School Requirements	45-46											35	
Major Require															
	ourses and Electiv		ı	П	ı	ν	I		ı	I	ı	ı	I		
ECON	3014	Managerial Microeconomics	4	<del> </del>	ļ	<del>!</del>		4						4	
ECON	3024	Managerial Macroeconomics	4	1	ļ	<del>i</del>		:	4					4	
ECON	3334	Introduction to Econometrics	4	1	ļ	<u> </u>		;		4				4	
ECON		ECON 4000-level Electives (Any 3 courses of the subject and level as specified)	11	1		<u>;                                    </u>		!			4	4	3	11	
		Required credits for Major Required Courses and Electives	23		<u> </u>	<u>.</u>		<u> </u>						23	
Additional F	Requirement	<u></u>													
	for Dual Degr														
Required Courses	S														
TEMG	1010	T&M Professional Activities	0	0	0	0	0	0	0	0	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	1	1	<del>i                                     </del>		4	1					4	
LIVIO				-	1	<del>.</del>		4							
11	n-	Required credits for Additional Requirements	7	1				<u> </u>				Ī		7	
University CO		1		п	ı				1						_
CORE	C3 - C9	U CORE - Others	21	1	ļ	3	3	3	6			3	3	21	
CORE	C1 & C2	U CORE - English Language	6	3	3	<u>.</u>		<u>i                                     </u>						6	
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2									3	
<u> </u>		Sub-total for University CORE	30	1		<u> </u>		I	<u> </u>			<u> </u>		30	
					T			Term load (e						4	
				16	17	18	18	18 <b>1</b>	19 <b>76##</b>	18	19	18	15	1	
						<< Decla	ration of							J	
Notes:						BEng ma		SBA maj							
					BDA IIIAJUI					or					

( ) 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  $\ensuremath{\textit{\#\#}}$  To graduate, students should complete all requirements as specified for DDP.

\*\*Remarks on course(s):

<sup>&</sup>gt;> 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.