The Hong Kong University of Science and Technology

Academy of Interdisciplinary Studies
An Example on Student's Pathway (as of August 8, 2024)

<< Declaration of Seng major BBA major

MEGBM 2024-25 Intake (Via DDP PBA)

School:			BEng major BBA major												
		School of Engineering and School of Business Management Dual Degree Program (BEng in Mechanical Engineering and BBA in Gene	rol							Studen	t's Pathway	У			
Program:		Business Management)	ai												
					~	:	~		~		~		~		
Course			Ω	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Yea	Year 3 Spring	Year 4 Fall	Year 4 Spring	Year 5 Fall	Year 5 Spring	Sub-total	Remarks
Offering Dept.	Course Code	Course Title / Courses List	Credits	7.1 F	1 Sp	r 2 F	2 Sp	Year 3 Fall	3 Sp	r 4 F	4 Sp	r 5 F	5 Sp	o-tot	
(course code prefix)			o,	all	oring	a <u>i</u>	oring	a≝	oring	all .	oring	all .	oring	la	
DEng in Mo	shaniaal En	aincorina				•									
BEng in Med		gineering													
Major Require															
Engineering Funda	amental Courses	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	1 25	П	1	1	T	T		T	1	1		Т	1
COMP	1021	Introduction to Computer Science	3-5 3			:		:							Students should take COMP102
COMP COMP	1022P 2011	Introduction to Computing with Java Programming with C++	3 4	3		l i		<u> </u>						3	which will also be used to substit ISOM 2010 and to waive ISOM 2
COMP	2012H	Honors Object-Oriented Programming and Data Structures Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)]	5 4-7	<u> </u>		<u>!</u>		!							100W 2010 and to waive 100W 2
		OR [MATH 1020]	4-7			<u> </u>		Ī							
MATH MATH	1012 1013	Calculus IA Calculus IB	4 3			i		i							
MATH	1014	Calculus II	3	3	3	i		i						6	
MATH MATH	1020 1023	Accelerated Calculus Honors Calculus I	3			i		:							
MATH	1024	Honors Calculus II	3	ļ		!		<u>. </u>						_	
MATH	2011	Introduction to Multivariable Calculus Note: MATH2111 OR MATH2350 OR MATH2351	3	<u> </u>		!		3						3	
MATH MATH	2111 2350	Matrix Algebra and Applications Applied Linear Algebra and Differential Equations	3			ļ		ļ		3				3	
MATH	2351	Introduction to Differential Equations	3			<u>ļ</u>		<u> </u>							
PHYS	1112	Note: PHYS1112 OR PHYS1312 General Physics I with Calculus	3		3	i		i						3	
PHYS	1312	Honors General Physics I [1 course from the specified course list]	3 3-4	<u> </u>		i 		i 							
DUVE	1101		1			i		i							
PHYS CHEM	1101 1008	Introductory Physics Introductory Chemistry	4 3		(3)	:		:	ĺ				1	0	
CHEM LIFS	1012 1901	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories General Biology I	3			1		! !	ĺ				1		
		Required credits for Engineering Fundamental Course	S 19-25										<u> </u>	18	
Major Required Co															
MECH	1990	Industrial Training Mechanical Engineering for Medora Life	0	 	-	0*	0^	<u>i </u>	-				-	0	
MECH MECH	1906 2020	Mechanical Engineering for Modern Life Statics and Dynamics	3	 		3		i —						3	
MECH	2040	Solid Mechanics I	3	1		i		i	3				<u> </u>	3	
MECH	2210	Fluid Mechanics	3						3					3	
MECH	2310	Thermodynamics	3			3		!						3	
MECH	2410	Engineering Materials I	3	 	-	i 	3	<u> </u>	-				-	3	
MECH MECH	2520 3030	Design and Manufacturing I Mechanisms of Machinery	3	 		:	3	<u> </u>		3				3	
		Note: MECH3300 OR MECH3420 OR MECH3520 OR MECH3710		1		i 		i 		3				3	
MECH MECH	3300 3420	Energy Conversion Engineering Materials II	3			i		i		3				3	
MECH	3520	Design and Manufacturing II Manufacturing Processes and Systems	3			i		•							
MECH MECH	3710 3310	Manufacturing Processes and Systems Heat Transfer	3			<u>:</u>		:		3				3	
MECH	3610	Control Principles	3			!		3						3	
MECH	3630	Electrical Technology	3			<u> </u>		1	3					3	
MECH	3830	Laboratory	3	ļ		<u>i </u>		<u>i </u>			3			3	
MECH MECH	3907 4900	Mechatronic Design and Prototyping Final Year Design Project	6	 		i 		i 	3			3	3	3 6	
ELEC	2420	Basic Electronics	3			3		<u>`</u>				-		3	
ENGG	2010	Engineering Seminar Series	0			0	0	0	0					0	
		equired credits for Major Requirements Courses and Elective	S 51			<u>: </u>		<u> </u>						51	
BBA in Gene	eral Busine	ss Management													
School Requir	rements														
ACCT	2010	Principles of Accounting I	3	3		<u>!</u>		<u> </u>						3	
ACCT	2200	Principles of Accounting II Note: ECON 2103 OR ECON 2113	3	-		<u>i </u>		i	3					3	
ECON	2103	Principles of Microeconomics	3			3		i						3	
ECON	2113	Microeconomics Note: ECON 2123 OR ECON 3123	3	 		i		<u>:</u> 							
ECON ECON	2123 3123	Macroeconomics Macroeconomic Theory I	3			:		3						3	
FINA	2303	Financial Management	3		3	<u>:</u>								3	
ISOM	2010	Introduction to Information Systems	3	-	-		-	-	-	-	-	-	-	0	Substituted by COMP 1021/ 1022/ 2011/ 2012H
10014	0000	Out of a Business				<u>í</u>		i i							Waived for DDP students if they
ISOM	2020	Coding for Business	1	-	-		-			-	-	-		0	have taken and passed COMP 10. or COMP 1029P
ISOM	2500	Business Statistics	3	3		i		<u> </u>						3	
ISOM ISOM	2600 2700	Introduction to Business Analytics	1	 	-	i 	1	<u>1</u>				2	1	1	
MARK	2700 2120	Operations Management Marketing Management	3	1		: 	3	: 				3	 	3	
MGMT	2010	Business Ethics and the Individual	2	1	1	:	<u> </u>	:				2	†	2	
MGMT	2110	Organizational Behavior	3				3							3	
MGMT	2130	Business Ethics and Social Responsibility Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	2 3-4	<u> </u>	1	<u> </u>	<u> </u>	<u> </u>					2	2	
MATH	1003	Calculus and Linear Algebra	3-4			į		<u> </u>	ĺ				1		DDP students should take MATH 1012 or MATH 1013 or MATH 102
MATH	1012 1013	Calculus IA Calculus IB	4 3	(3)		í		i						0	or MATH 1023 to satisfy the
MATH	1020		4	I	1	:		i	ĺ				1		requirements of both BEng and BE degrees
MATH		Accelerated Calculus	2						t		1		1	 	
	1020	Accelerated Calculus Honors Calculus	3 ts 39-40			<u>.</u>		_						32	_
Major Require	ments	Honors Calculus I Required credits for School Requirement	3 S 39-40			!		<u>i</u>	!	!				32	
Math Major Require	ments	Required credits for School Requirement ves				<u> </u>		i						32	
MATH MATH	ments	Honors Calculus I Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least				: :		3	4	4	6	6	6	29	
матн Major Require Major Required Co	ments	Required credits for School Requirement ves	4 29					3	4	4	6	6	6		
MATH MATH Major Require Major Required Co	ements ourses and Elect	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Electives	4 29					3	4	4	6	6	6	29	
MATH MATH Major Require Major Required Co SB&M Additional R	ements ourses and Elect	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts	4 29					3	4	4	6	6	6	29	
MATH MATH Major Require Major Required Co SBBAM Additional R Requirements	ements ourses and Elect Requirements for Dual Deg	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts	4 29					3	4	4	6	6	6	29	
MATH MATH Major Require Major Required Co SB&M Additional R Requirements Required Courses	ements ourses and Elect Requirements for Dual Deg	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts	4 29	0	0	0	0	3	4	4	6	6	6	29	
MAJOR Require Major Required Cossess Additional R Requirements Required Courses TEMG	ements ourses and Elect Requirements for Dual Deg	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts ree Program T&M Professional Activities	4 29 9S 29	0	0 3	0	0							29 29	
MAJOR Require Major Require Major Required Co SB&M Additional R Requirements Required Courses TEMG	ements ourses and Elect Requirements for Dual Deg	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts ree Program T&M Professional Activities T&M Case Analysis and Product Innovation	4 29 29 29 0 3	0	+	0	0	0						29 29 0 3	
матн Major Require Major Required Co	ements ourses and Elect Requirements for Dual Deg	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts ree Program T&M Professional Activities T&M Case Analysis and Product Innovation T&M Corporate Consulting Project	4 29 29 29 0 3 3-5	0	+	0	0							29 29 0 3 4	
MATH MATH Major Require Major Required Co SB&M Additional R Requirements Required Courses TEMG TEMG	Requirements for Dual Deg	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts ree Program T&M Professional Activities T&M Case Analysis and Product Innovation	4 29 29 29 0 3 3-5	0	+	0	0	0						29 29 0 3	
MATH MATH Major Require Major Required Co SB&M Additional R Requirements Required Courses TEMG TEMG University CO	Requirements for Dual Deg 3950	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts ree Program T&M Professional Activities T&M Case Analysis and Product Innovation T&M Corporate Consulting Project Required credits for Additional Requirement	4 29 29 0 3 3-5 ts 7	0	+			0			0		0	29 29 0 3 4 7	
MATH MATH Major Require Major Required Co SB&M Additional R Requirements Required Courses TEMG TEMG TEMG University CO CORE	ements ourses and Elect Requirement for Dual Deg 1010 3950 4950 RE C3 - C9	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts ree Program T&M Professional Activities T&M Carporate Consulting Project Required credits for Additional Requirement	4 29 PS 29 0 3 3-5 TS 7		3	0	0	0						29 29 0 3 4 7	
MATH MATH Major Require Major Required Co SB&M Additional R Requirements Required Courses TEMG TEMG TEMG University CO CORE CORE	Requirements for Dual Deg 1010 3950 4950 RE C3 - C9 C1 & C2	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts ree Program T&M Professional Activities T&M Case Analysis and Product Innovation T&M Corporate Consulting Project Required credits for Additional Requirement U CORE - Others U CORE - Others	4 29 9S 29 0 3 3-5 7 21 6	3	3			0			0		0	29 29 0 3 4 7	
MATH MATH Major Require Major Required Co SB&M Additional R Requirements Required Courses TEMG TEMG TEMG University CO CORE	ements ourses and Elect Requirement for Dual Deg 1010 3950 4950 RE C3 - C9	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts ree Program T&M Professional Activities T&M Case Analysis and Product Innovation T&M Corporate Consulting Project Required credits for Additional Requirement U CORE - Others U CORE - English Language Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	4 29 98 29 0 3 3-5 7 21 6 3		3			0			0		0	29 29 0 3 4 7 21 6 3	
MATH MAID Require Major Required Co SB&M Additional R Requirements Required Courses FEMG FEMG University CO CORE CORE	Requirements for Dual Deg 1010 3950 4950 RE C3 - C9 C1 & C2	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts ree Program T&M Professional Activities T&M Case Analysis and Product Innovation T&M Corporate Consulting Project Required credits for Additional Requirement U CORE - Others U CORE - Others	4 29 98 29 0 3 3-5 7 21 6 3	3	3		6	4	0	0	0		0	29 29 0 3 4 7	
MATH MAID Require Major Required Co SB&M Additional R Requirements Required Courses FEMG FEMG University CO CORE CORE	Requirements for Dual Deg 1010 3950 4950 RE C3 - C9 C1 & C2	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts ree Program T&M Professional Activities T&M Case Analysis and Product Innovation T&M Corporate Consulting Project Required credits for Additional Requirement U CORE - Others U CORE - English Language Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	4 29 98 29 0 3 3-5 7 21 6 3	3 1	3 2	3	6	0 4 Term load (6	0	0 O	6	0	6	29 29 0 3 4 7 21 6 3	
MATH MAJOR Require Major Required Co SB&M Additional R Requirements Required Courses TEMG TEMG TEMG TEMG TEMG TEMG TO THE TO TH	Requirements for Dual Deg 1010 3950 4950 RE C3 - C9 C1 & C2	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts ree Program T&M Professional Activities T&M Case Analysis and Product Innovation T&M Corporate Consulting Project Required credits for Additional Requirement U CORE - Others U CORE - English Language Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	4 29 98 29 0 3 3-5 7 21 6 3	3	3		6	0 4 Term load (e	0	0	0		0	29 29 0 3 4 7 21 6 3	
MATH MATH MAJOR Require Major Required Co SB&M Additional R Requirements Required Courses TEMG TEMG TEMG TEMG TEMG TO CORE CORE	Requirements for Dual Deg 1010 3950 4950 RE C3 - C9 C1 & C2	Required credits for School Requirement Ves SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least courses are of 3000-level or above.) Required credits for Major Required Courses and Elective ts ree Program T&M Professional Activities T&M Case Analysis and Product Innovation T&M Corporate Consulting Project Required credits for Additional Requirement U CORE - Others U CORE - English Language Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	4 29 98 29 0 3 3-5 7 21 6 3	3 1	3 2	3	6 6 18 ration of	0 4 Term load (e	0 oxxcl. free crec 19 67## ration of	0 O	6	0	6	29 29 0 3 4 7 21 6 3	

() 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

 $\ensuremath{\text{\#H}}$ To graduate, students should complete all requirements as specified for DDP.

**Remarks on course(s):