The Hong Kong University of Science and Technology

CEGBM 2020-21 Intake Interdisciplinary Programs Office
An Example on Student's Pathway

<< Declaration of BEng major SBA major

School		Debad of Farinassian and Orbest (C.)		11		Securation of Securation of BBA major									
School:		School of Engineering and School of Business Management Dual Degree Program (BEng in Chemical Engineering and BBA in General	al							Student'	s Pathway				
Program:		Business Management)													
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)			3,	a <u>a</u>	ring	a a	ring	<u>a</u> :	ring	a	ring	a.	ring	a	
BEng in Ch	emical Eng	ineering	<u>'</u>	·I			u .						u .		•
Major Require Engineering Fund		20													
COMP	1021	Note: COMP 1021 OR COMP 1022P OR COMP 2011 Introduction to Computer Science	3-4 3			Ī		j							This course will also be used to
COMP COMP	1022P 2011	Introduction to Computing with Java Programming with C++	3 4	3		į		į						3	substitute ISOM 2010
ENGG	1010	Academic Orientation Note: CHEM1010 OR CHEM1020	0	0	0]		1						0	
CHEM CHEM	1010 1020	General Chemistry IA General Chemistry IB	3	3] }] }						3	
LANG	2030	Technical Communication I Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND	3 4-7			3		!						3	
MATH	1012	(MATH 1014 OR MATH 1024)] OR [MATH 1020] Calculus IA	4			i İ		i							
MATH MATH	1013 1014	Calculus IB Calculus II	3	3	3	į		į						6	
MATH MATH MATH	1020 1023 1024	Accelerated Calculus Honors Calculus I Honors Calculus II	3			į		į							
MATH	2011	Introduction to Multivariable Calculus Note: PHYS 1112 OR PHYS 1312	3			3		 						3	
PHYS PHYS	1112 1312	Rote: PHYS 1112 UK PHYS 1312 General Physics I with Calculus Honors General Physics I	3	3		!		! :						3	
	•	Required credits for Engineering Fundamental Courses						! !						21	
Major Required C		Note: CENG1000 OR CENG1500				i		i							
CENG CENG	1000 1500	Introduction to Chemical and Biological Engineering A First Course on Materials Science and Applications Note: CENG1600 OR CENG1700 OR BIEN1010	3	3		<u>i </u>		<u>i</u>						3	
CENG CENG	1600 1700	Note: CENG 1000 OR CENG 1700 OR BIEN 1010 Biotechnology and Its Business Opportunities Introduction to Environmental Engineering	3		3	į		İ						3	
BIEN CENG	1010	Introduction to Biomedical Engineering Academic and Professional Development I	3	1		0		<u> </u>						0	
CENG CENG	1980 2110	Industrial Training Process and Product Design Principles	0			3	0	0	0	0				0	
CENG	2210	Chemical and Biological Engineering Thermodynamics	3			!	3	:						3	
CENG CENG	2220 2310	Process Fluid Mechanics Modeling for Chemical and Biological Engineering	3	1	+	3	3	i I				1		3	
CENG CENG	3110 3150	Process Dynamics and Control Integrated Chemical Process & Product Design	3 5			ļ		į .	3 5					3 5	
CENG	3210	Separation Processes	3			<u>į </u>		3	,					3	
CENG CENG	3220 3230	Heat and Mass Transfer Chemical and Biological Reaction Engineering	3			<u>!</u>		3						3	
CENG CENG	3950 4020	Chemical and Environment Engineering Laboratory Academic and Professional Development II	4			 		1			4	0		4 0	
CENG	4920	Note: CENG4920 OR CENG4930 OR CENG4940 Chemical Engineering Capstone Design	6			<u>!</u> 		<u>!</u> 							
CENG CENG	4930 4940	Chemical Engineering Thesis Research Chemical Engineering Industrial Project	6			i		i i				3	3	6	
ENGG CHEM	2010 1050	Engineering Seminar Series Laboratory for General Chemistry I	0		1	0	0	0	0					0	
CHEM	2111	Fundamentals of Organic Chemistry	3		'	į	3	İ						3	
CHEM LANG	2155 4035	Fundamental Organic Chemistry Laboratory Technical Communication II for Chemical and Biological Engineering	3			<u> </u>	1	<u>!</u> :				3		3	
BIEN	2410	Note: BIEN2410 OR BIEN2610 OR LIFS1901 Cellular and Systems Physiology for Engineers	3			<u> </u>	3	i						3	
BIEN LIFS	2610 1901	Chemical Biology for Engineers General Biology I	3			<u> </u>	Ů	<u>:</u>							
SENG/SSCI/ENVR	Red	CENG Elective (12 credits from specified elective list) quired credits for Major Requirements Courses and Electives	12 68	-		<u> </u>		3	3	3	3			12 68	
		ess Management													
School Requi	rements 2010	Principles of Accounting I	3	1		3	1	·					1	3	
ACCT	2200	Principles of Accounting II	3					 	3					3	
ECON ECON	2103 2113	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics Microeconomics	3		3	:		! !						3	
ECON	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics	3			i i		i I		3				3	
ECON FINA	3123 2303	Macroeconomic Theory I Financial Management	3			<u> </u>	3	!						3	
ISOM	2010	Introduction to Information Systems	3			<u> </u>		<u> </u>						0	Substituted by COMP 1021/1022P/COMP2011
ISOM ISOM	2020 2500	Coding for Business Business Statistics	1 3	1		3		1						1	
ISOM	2600	Introduction to Business Analytics	1			<u> </u>		1				_		1	
ISOM MARK	2700 2120	Operations Management Marketing Management	3		3	:						3		3	
MGMT MGMT	2010 2110	Business Ethics and the Individual Organizational Behavior	3			3		 	2					3	
MGMT SBMT	2130	Business Ethics and Social Responsibility	2	1		i		<u> </u>			2			2	Walted for DDD at 1 1
LABU	2040	Business Student Induction Business Case Analyses	3			<u>; </u>		<u> </u>		3				3	Waived for DDP students
LABU	2060	Effective Communication in Business Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3 3-4	1		<u> </u>		<u> </u>					3	3	DDP students should take MATH
MATH MATH	1003 1012	Calculus and Linear Algebra Calculus IA	3 4	(3)		!		!						0	1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy th
MATH MATH MATH	1013 1020 1023	Calculus IB Accelerated Calculus Honors Calculus I	3 4 3	(5)		! i		i		ĺ	ĺ				requirements of both BEng and BBA degrees
	1	Required credits for School Requirements	_			į		<u> </u>						39	-
Major Required C	ements Courses and Elec	tives													
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] !		<u> </u>	3	9		7	10	29	
Additional F	2001iromor	Required credits for Major Required Courses and Electives	29			1	1	i					1	29	
Requirements															
Required Courses	s		1 ^	11 ^		^	1 ^	^	^		1 ^		1 ^	^	1
TEMG TEMG	1010 3950	Technology and Management Professional Activities Case-based Problem Solving	3	0	3	0	0	0	0	0	0	0	0	3	
University CO)RF	Required credits for Additional Requirements	3			:								3	
CORE	C3 - C12	U CORE - Others	30			ļ	3	6		3	12	3	3	30	
CORE	C1 & C2	U CORE - English Language Sub-total for University CORE	6 36	3	3	<u> </u>		<u> </u>						6 36	
			•	18	19	21	19	erm load (ex	ccl. free cred	its)	21	19	19		•
				10	19	Z1	l ia	-	19)6##			I ia	l ia	1	
Notes:						<< Decla		<< Decla BBA maj		_			_		
) indicates the reuse	e of the same course	to fulfill more than one requirement.													

- $^{\mbox{\sc h}}$ Courses offered in summer term
- --- denotes the course/requirement is either waived or substituted

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

**Remarks on course(s):