The Hong Kong University of Science and Technology Interdisciplinary Programs Office An Example on Student's Pathway

3

3

		An Example on													
School: Program:		School of Engineering and School of Business Management Dual Degree Program (BEng in Chemical Engineering and BBA in Global Business)								Student	s Pathway	,			
Course Offering Dept. (course code prefix)	Course Code	Business) 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 Ch		neering		I				1							
Major Require Engineering Fund		<u></u>													
		Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5	1		!		<u> </u>							Students should take COMP1021
COMP COMP	1021 1022P	Introduction to Computer Science Introduction to Computing with Java	3 3	3		i		i						3	which will also be used to substitut
COMP	2011 2012H	Programming with C++ Honors Object-Oriented Programming and Data Structures	4	-		i		i							ISOM 2010 and to waive ISOM 2020
ENGG	1010	Academic Orientation	0	0	0	1		ĺ						0	
СНЕМ	1010	Note: CHEM1010 OR CHEM1020 General Chemistry IA	3	3		i		i						3	
CHEM LANG	1020 2030	General Chemistry IB Technical Communication I	3		-	i		<u>.</u>				-		0	Waived for DDP students
LANG	2030	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND	4-7	-	-	i –	-	i –	-	-		-	-	0	Walved for DDF students
MATH	1012	(MATH 1014 OR MATH 1024)] OR [MATH 1020] Calculus IA	4			i		i							
MATH MATH	1013 1014	Calculus IB Calculus II	3 3	3	3	i		i						6	
MATH	1020	Accelerated Calculus	4			i		i							
MATH MATH	1024	Honors Calculus I Honors Calculus II	3			i —	L	i —			L		L		
MATH	2011	Introduction to Multivariable Calculus Note: PHYS 1112 OR PHYS 1312	3			i 1		3						3	
PHYS	1112	General Physics I with Calculus	3		3	ł		1						3	
PHYS	1312	Honors General Physics I Required credits for Engineering Fundamental Courses	3 19-24	1		<u>;</u>	<u> </u>	;			<u> </u>	1		18	
Major Required C	Courses and Elec	tives													
CENG	1000	Note: CENG1000 OR CENG1500 Introduction to Chemical and Biological Engineering	3	3		!		!						3	
CENG	1500	A First Course on Materials Science and Applications Note: CENG1600 OR CENG1700 OR BIEN1010	3		-	1		<u> </u>						-	
CENG	1600	Biotechnology and Its Business Opportunities	3		3	!		!						3	
CENG BIEN	1700 1010	Introduction to Environmental Engineering Introduction to Biomedical Engineering	3		0	ļ		!						Ū	
CENG	1010	Academic and Professional Development I	0			0		l						0	
CENG	1980	Industrial Training	0		-	i		<u>i</u>					0	0	
CENG CENG	2110 2210	Process and Product Design Principles Chemical and Biological Engineering Thermodynamics	3	_		3	3	i —						3	
CENG	2220	Transport Phenomena I	3			i —	3	i						3	
CENG	2310	Modeling for Chemical and Biological Engineering	3			3		Ì						3	
CENG	3110	Process Dynamics and Control	3			i —		i	3					3	
CENG CENG	3150 3210	Integrated Chemical Process & Product Design Separation Processes	5	_		i		3	5					5	
CENG	3220	Heat and Mass Transfer	3	-		÷		3						3	
CENG	3230	Chemical and Biological Reaction Engineering	3			-		3						3	
CENG	3950	Chemical and Environment Engineering Laboratory	4			<u>.</u>					4			4	
CENG	4020	Academic and Professional Development II Note: CENG 4920 OR CENG 4930 OR CENG 4940 (Students 6	0	-				<u> </u>				0		0	
		taking the Research Option must take CENG 4930)	_			!		!							
CENG CENG	4920 4930	Chemical Engineering Capstone Design Chemical Engineering Thesis Research	6 6			ļ		ļ				3	3	6	
CENG ENGG	4940 2010	Chemical Engineering Industrial Project Engineering Seminar Series	6 0	_		0	0	0	0					0	
CHEM	1050	Laboratory for General Chemistry I	1	-	1	<u> </u>	0		0					1	
CHEM	2111	Fundamentals of Organic Chemistry	3			Ì	3	Ī						3	
CHEM	2155	Fundamental Organic Chemistry Laboratory	1			i	1	l						1	
LANG	4035	Technical Communication II for Chemical and Biological Engineering Note: BIEN2410 OR BIEN2610 OR LIFS1901	3	_		i –		i				3		3	
BIEN BIEN	2410 2610	Cellular and Systems Physiology for Engineers Chemical Biology for Engineers	3 3			i	3	i						3	
LIFS	1901	General Biology I	3	_		i		i —					L		
SENG/SSCI/ENVR	Dear	CENG Elective (12 credits from specified elective list)	12		-	-		3	3	3	3			12	
		ired credits for Major Requirements Courses and Electives	68	I.		;		;				I		68	
BBA in Glo		5													
School Requi	2010	Principles of Accounting I	3	1		3	r			1	r	1	1	3	
ACCT	2010	Principles of Accounting I Principles of Accounting II	3		1	3		÷	3			1		3	
		Note: ECON 2103 OR ECON 2113		1	1		1	:			1	1	1		
ECON ECON	2103 2113	Principles of Microeconomics Microeconomics	3 3			3		!						3	
ECON	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics	3			!		!		3				3	
ECON	3123	Macroeconomic Theory I	3	_		ļ		<u>Į</u>							
FINA	2303 2010	Financial Management	3	-		<u>!</u>	3	<u> </u>						3	Substituted by COMP
ISOM	2010	Introduction to Information Systems	3		-	i -		i .	-	-	-	-	-	U	1021/1022P/2011/2012H Waived for DDP students if they
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	have taken and passed COMP102
ISOM	2500	Business Statistics	3		1	3	<u> </u>	ţ			<u> </u>	1	<u> </u>	3	or COMP 1029P
ISOM	2600	Introduction to Business Analytics	1			1		î						1	
ISOM	2700	Operations Management	3			i		i			<u> </u>	3		3	
MARK MGMT	2120 2010	Marketing Management Business Ethics and the Individual	3	-		i –	3	i – –				2		3	
MGMT	2010	Organizational Behavior	3	1		3	<u> </u>	í —			<u> </u>			3	
MGMT	2130	Business Ethics and Social Responsibility	2			<u> </u>		<u> </u>					2	2	
SBMT	1111	Business Student Induction	0	-	-	<u>.</u> .	-	-	-	-	-	-	-	0	Waived for DDP students
LABU LABU	2040 2060	Business Case Analyses Effective Communication in Business	3	-	-	<u> </u>	-	<u>. </u>	-	-	-	-	- 3	0	Waived for DDP students

Effective Communication in Business Effective Communication in Business Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IA Calculus IB Accelerated Calculus Honors Calculus I Required credits for School Requirement 3 3-4 3 4 3 4 DDP students should take MATH 1012 or MATH 1013 or MATH 102 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees MATH MATH MATH MATH MATH 1003 1012 1013 1020 1023 (3) 0 į L Required credits for School Requirements 45-46 35 Major Requirements Major Required Courses and Electives Global Leadership Development 0 0 0 0 0 0 0 GBUS 1000 0 GBUS 2010 Global Business Analysis 3 ï 3 3 GBUS 2020 Public Service Project 1 1 [1] 1 3-4 4 3 GBUS/ISOM GBUS ISOM Note: GBUS 3030 OR ISOM2040 3030 2040 4 4 [3] Global Business Case Studies Business Simulation and Strategic Decisions I. Capstone Project Global Business Electives (Courses from the specified elective list, of which at least 6 credits from each area and at least 2 courses must be offered by GBUS. Courses taken to the second 4 î 4 GBUS 4910 4 [4] Ţ i 15 3

I

LABU

2060

GBUS		to fulfill requirements of an additional major in SBM may not be counted towards this elective requirement.)	15								0	3	0	15	
	•	Required credits for Major Required Courses and Electives	26-27			1		1						27	
Addition	al Requirem	ents													
		Degree Program													
Required Cor															
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	i		<u>i</u>						3	
TEMG	4950	T&M Corporate Consulting Project	3-5							4				4	
		Required credits for Additional Requirements	7											7	
University	CORE														
CORE	C3 - C12	U CORE - Others	30	3	3	i		3	3	6	6		6	30	
CORE	C1 & C2	U CORE - English Language	6	3	3	-		-						6	
Sub-total for University CORE 36						ļ		ļ						36	
			Term load (excl. free credits)												
				18	19	19	19	18	21	20	19	18	20		
		191## << Declaration of													
Notes:			Seng major BBA major												
() indicates the	reuse of the same cou	urse to fulfill more than one requirement.													
* Courses offere	ed in winter term														
^ Courses offere	ed in summer term														
		either waived or substituted													
## To graduate,	students should comp	plete all requirements as specified for DDP.													
**Remarks on cour	se(s):														l