## The Hong Kong University of Science and Technology Interdisciplinary Programs Office An Example on Student's Pathway (as of Oct 3, 2022)

School of Engineering and School of Business Management

Dual Degree Program (BEng in Decision Analytics and BBA in Finance)

School

rogram



<< Declaration of BEng major</pre> Student's Pathway

Program:		Dual Degree Program (BEng in Decision Analytics and BBA in Finance)													
Course □ Offering□			ç	Yea	Year	Yea	Year	Year	Year	Yea	Year 4	Yea	Year	Sut	Remarks
Dept⊡ (course code prefix)		Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall		Year 3 Fall	/ear 3 Spring	Year 4 Fall	4 Spring	Year 5 Fall	r 5 Spring	Sub-total	
	in Doci	sion Analytics			-		-		-		-		-		
BEng in Decision Analytics Major Requirements															
		ntal Courses													
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H Introduction to Computer Science	3-5 3		1	i – – – – – – – – – – – – – – – – – – –	1						1		Students should take
COMP	1022P 2011	Introduction to Computing with Java Programming with C++	3 4		3	i		 :						3	COMP1021 which will also be used to substitute ISOM 2010
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5			Ļ		!							and to waive ISOM 2020
ENGG	1010	Academic Orientation Note: CHEM1010 OR CHEM1020 OR PHYS1112 OR PHYS1312	0	0	0	<u> </u>		!						0	
CHEM CHEM	1010 1020	General Chemistry IA General Chemistry IB	3	3		İ								3	
PHYS PHYS	1112 1312	General Physics I with Calculus Honors General Physics I	3			i		 :							
LANG	2030	Technical Communication I	3											0	Waived for DDP students
		Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-7			-									
MATH MATH	1012 1013	Calculus IA Calculus IB	4 3	3	3	ļ		!						6	
MATH MATH	1014 1020	Calculus II Accelerated Calculus	3 4	0	0	i		!						Ŭ	
MATH MATH	1023 1024	Honors Calculus I Honors Calculus II	3												
MATH	2011	Introduction to Multivariable Calculus	3			 	3	l 						3	
MATH	2111	Matrix Algebra and Applications Engineering Introduction course (If the students take an introduction course included in their major, this	3			3		<u> </u>						3	
SENG		course can be counted towards their major requirement.)	3-4		(3)	<u> </u>								0	
Major Reg	uired Course	Required credits for Engineering Fundamental Courses as and Electives	22-27	11	1		1		1	1	1	1	1	18	
IEDA	1010	Academic and Professional Development I	0			0	0	i						0	
IEDA	1020	Academic and Professional Development II	0			!		0	0					0	
IEDA	1901	Industrial Training and Experience	0			i		0*	0^					0	
IEDA IEDA	2520	Probaility for Engineers	3			3								3	Substituted by ISO 10700
IEDA	2540 3010	Statistics for Engineers Prescriptive Analytics	3					3						0	Substituted by ISOM2500
IEDA	3230	Engineering Economics and Accounting	3			!	3							3	
IEDA	3250	Stochastic Models	3			i		3						3	
IEDA	3300	Industrial Data Systems	3			1			3					3	
IEDA	3560	Predictive Analytics Note: IEDA4901 OR IEDA4920	3			<b>!</b>		¦			3			3	
IEDA	4901	Final Year Thesis	6			!						3	3	6	
IEDA ENGG	4920 2010	Decision Analytics Final Year Project Engineering Seminar Series	6			0	0	0	0					0	
		Note: ECON2103 OR ECON2113			1	:	0		Ū						
ECON ECON	2103 2113	Principles of Microeconomics Microeconomics	3 3			3								3	
LANG	4032	Technical Communication II for IEDA and ISDN	3			i					3			3	
IEDA		Area Electives (5 courses from the specified elective list, of which all 5 courses should be taken from the same area)	15			<u>i</u>			3	6	3	3		15	
		Required credits for Major Required Courses and Electives	48											45	
	Finance														
ACCT	Requirem	Principles of Accounting I	3	3	1	:	1			1			1	3	
ACCT		Principles of Accounting I	3	5		<u> </u>					3			3	
ECON	2103	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics	3			(3)								0	
ECON	2103	Microeconomics Note: ECON 2123 OR ECON 3123	3			(3)		; {						Ŭ	
ECON ECON	2123 3123	Macroeconomic Theory I	3			1		i				3		3	
FINA	2303	Financial Management	3			ļ	3	i						3	FINA 2303 is a major pre- requisite
ISOM	2010	Introduction to Information Systems	3			- 1								0	Substituted by COMP 1021/1022P/2011
ISOM	2020	Coding for Business	1											0	Waived for DDP students if they have taken and passed
						i		ļ							COMP1021 or COMP 1029P This course will also be used to
ISOM ISOM	2500 2600	Business Statistics Introduction to Business Analytics	3			3		1						3	substitute IEDA2540
ISOM	2600	Introduction to Business Analytics Operations Management	3			i		· ·			3			3	
MARK	2120	Marketing Management	3			i	3	<u> </u>						3	
MGMT	2010	Business Ethics and the Individual	2					2						2	
MGMT	2110	Organizational Behavior	3			3		į						3	
MGMT SBMT	2130 1111	Business Ethics and Social Responsibility Business Student Induction	2							2				2	Waived for DDP students
LABU	2040	Business Gade Analyses	3											0	Waived for DDP students
LABU	2060	Effective Communication in Business	3			<u> </u>		<u> </u>	3					3	
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra	3-4 3			!		!							To satisfy the requirements of
MATH MATH	1012 1013	Calculus IA Calculus IB	4 3	(3)		!		!						0	both BEng and BBA degrees, DDP students should NOT take
MATH MATH	1020 1023	Accelerated Calculus Honors Calculus I	4			i		ļ							MATH 1003.
Required credits for School Requirements     43.44     I     I     I     32															
Major Requirements Major Required Courses and Electives															
Major Req	uired Course	es and Electives Key Skills for Finance Professionals (A)	1	1	1	1	1	1		1			1	1	
FINA	3001 3103	Key Skills for Finance Professionals (A) Intermediate Investments	1			i		1						1	
FINA	3203	Derivative Securities	3			;			3					3	
FINA	3303	Intermediate Corporate Finance	3			!		<u> </u>		3				3	
FINA	3810	Bloomberg Market Concepts Certification	0			ļ		0						0	
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030 Financial Accounting I	3-6 3			i		ļ		3				3	
ACCT ACCT	3020 3030	Financial Accounting II Intermediate Financial Accounting for Non-Accounting Maiors	3 3			<u>;</u>		<u> </u>	ļ						
ISOM	3230	Note: ISOM 3230 OR ISOM 3400 Business Applications Programming	3 3			!		!	3					3	If DDP students took COMP 1021 in BEng requirement, they
ISOM	3400	Python Programming for Business Analytics	3			<u> </u>		<u> </u>	_					-	are required to enroll ISOM 3230.
FINA	1	FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9	I	1		1		1	1	3	3	3	9	1

FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9					i			3	3	3	9			
		Required credits for Major Required Courses and Electives	25-28					Ì						25			
Additio	onal Req	uirements						-									
Require	ments fo	r Dual Degree Program															
Required	Courses																
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								3			
TEMG	4950	T&M Corporate Consulting Project	3-5			1		-	4					4			
		Required credits for Additional Requirements	7			i – – – – – – – – – – – – – – – – – – –		<u> </u>						7			
University CORE																	
CORE	C3 - C12	U CORE - Others	30	3	3	3	3	3		3		3	9	30			
CORE	C1 & C2	U CORE - English Language	6	3	3	!		ļ						6			
		Sub-total for University CORE	36											36			
										Term load (excl. free credits)							
					15	18	15	16	19	17	18	15	15				
			163##														
Notes:	Note: << Declaration of BEng << Declaration of BBA											-					
major major																	
		e same course to fulfill more than one requirement.															
denotes t	ne course/requi	rement is either waived or substitued															
## To gradu	ate, students s	hould complete all requirements specified for DDP.													_		
**Remarks on course(s):																	
1															1		

>> 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.