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

BTMARK 2020-21 Intake
(Via DDP PBA)

|<< Declaration of BEng major | |<< Declaration of BBA major

School:	School of Science and School of Business Management														Student's Pathway
Program:	**Dual Degree Program (BSc in Biotechnology and BBA in Marketing)**														
Course Offering Dept. (course code prefix)	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

BSc in Biotechnology

School Requirements

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
SCIE	1000	Science School Induction	0	0	0									0	
COMP / COMP / COMP	1021 / 1022P / 2011	Note: COMP1021 OR COMP1022P OR COMP2011. Introduction to Computer Science / Introduction to Computing with Java / Programming with C++	3-4 / 3 / 3 / 4			3								3	This course will also be used to substitute ISOM 2010
LANG	2010	English for Science I	3					3						3	
SSCI		Science Foundation courses [6 courses from the specified elective list. Students should take (i) 7 foundation lecture courses, including at least 1 lecture course, but no more than 3 lecture courses, from each discipline: CHEM, LIFS, MATH and PHYS; and (ii) 1 laboratory course.]	22-25												
CHEM	1004	Chemistry in Everyday Life	3												
CHEM	1010	General Chemistry IA	3												
CHEM	1020	General Chemistry IB	3												
CHEM	1030	General Chemistry II	3												
CHEM	1050	Laboratory for General Chemistry I	1												
CHEM	1055	Laboratory for General Chemistry II	1												
LIFS	1030	Environmental Science	3												LIFS1901 & LIFS1902 are Major Pre-requisite. Students are recommended to take CHEM1010, CHEM1030, LIFS1903 and MATH1013 to satisfy the requirements of both SSCI School requirements and Major requirements
LIFS	1901@	General Biology I@	3												
LIFS	1902@	General Biology II@	3												
LIFS	1903	Laboratory for General Biology I	1												
LIFS	1904	Laboratory for General Biology II	1												
LIFS	1930	Nature of Life Sciences	3												
LIFS	2210	Biochemistry I	3	10	3	6	3							22	
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3												
MATH	1014	Calculus II	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
MATH	1024	Honors Calculus II	3												
MATH	2023	Multivariable Calculus	4												
MATH	2121	Linear Algebra	4												
MATH	2131	Honors in Linear and Abstract Algebra I	4												
PHY	1001	Physics and the Modern Society	3												
PHY	1111	General Physics I	3												
PHY	1112	General Physics I with Calculus	3												
PHY	1113	Laboratory for General Physics I	1												
PHY	1114	General Physics II	3												
PHY	1115	Laboratory for General Physics II	1												
		Required credits for School / Major Pre-requisite Requirements	25-29											28	

Major Requirements

Major Required Courses and Electives

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
LIFS	1903	Laboratory for General Biology I	1	(1)										0	
LIFS	1904	Laboratory for General Biology II	1		1									1	
LIFS	2040	Cell Biology	3				3							3	
LIFS	2070	Introduction to Biotechnology	3			3								3	
LIFS	2080	Plant Biology	3				3							3	
LIFS	2210	Biochemistry I	3		(3)									0	
LIFS	3060	Microbiology	3						3					3	
LIFS	3110	Biotechnological Application of Recombinant DNA Techniques	3					3						3	
LIFS	3140	General Genetics	4							4				4	
LIFS	4150	Plant Biotechnology	3									3		3	
LIFS	4200	Concepts and Issues in Contemporary Biotechnology	3								3			3	
LIFS / LIFS / LIFS / SCIE	4963 / 4973 / 4983 / 4500	Note: LIFS4963 OR (LIFS4973 AND LIFS4983) OR (SCIE4500 AND LIFS4983) [Students following IRE Track can only use (SCIE4500 AND LIFS4983) to fulfill the requirement.] Biotechnology Capstone Project / Biotechnology Project Research I / Biotechnology Project Research II / IRE Research Project II	3-7 / 3 / 3 / 4 / 3									[3]	3	3	
CHEM / CHEM	1010 / 1020	Note: CHEM1010 OR CHEM1020. General Chemistry IA / General Chemistry IB	3 / 3	(3)										0	
CHEM	1030	General Chemistry II	3		(3)									0	
CHEM	1050	Laboratory for General Chemistry I	1	1										1	
CHEM	1055	Laboratory for General Chemistry II	1		1									1	
CHEM / CHEM	2110 / 2311	Note: CHEM 2110 OR CHEM 2311. Organic Chemistry I / Analytical Chemistry	3 / 3					3						3	
CHEM / CHEM	2155 / 2355	Note: CHEM2155 OR CHEM2355. Fundamental Organic Chemistry Laboratory / Fundamental Analytical Chemistry Laboratory	1 / 1						1					1	
CENG	1600	Biotechnology and Its Business Opportunities	3							3				3	
LANG	3024	Science Communication in English (Life Science)	3										3	3	
LIFS/BIPH/BTEC/BIEN/ CENG		Biotechnology Electives (Courses from the specified elective list; Students following IRE Track are required to take a minimum of 15 credits; while others a minimum of 18 credits. Courses taken as Major/Track Required Courses may not be counted towards the elective requirement.)	15-18						3		3	6	3	15	
		Required credits for Major Required Courses and Electives	62-70											56	

BBA in Marketing

School Requirements

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
ACCT	2010	Principles of Accounting I	3			3								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							3	
ECON / ECON	2123 / 3123	Note: ECON 2123 OR ECON 3123. Macroeconomics / Macroeconomic Theory I	3 / 3					3						3	
FINA	2303	Financial Management	3				3							3	
ISOM	2010	Introduction to Information Systems	3	---	---	---	---	---	---	---	---	---	---	0	Substituted by COMP 1021/1022P/1022Q/2011
ISOM	2020	Coding for Business	1				1							1	
ISOM	2500	Business Statistics	3			3								3	
ISOM	2600	Introduction to Business Analytics	1				1							1	
ISOM	2700	Operations Management	3						3					3	
MARK	2120	Marketing Management	3				3							3	MARK 2120 is a major pre-requisite
MGMT	2010	Business Ethics and the Individual	2	2										2	
MGMT	2110	Organizational Behavior	3			3								3	
MGMT	2130	Business Ethics and Social Responsibility	2							2				2	
SBMT	1111	Business Student Induction	0	---	---	---	---	---	---	---	---	---	---	0	Waived for DDP students
LABU	2040	Business Case Analyses	3								3			3	
LABU	2060	Effective Communication in Business	3									3		3	
MATH / MATH / MATH / MATH / MATH	1003 / 1012 / 1013 / 1020 / 1023	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	3-4 / 3 / 4 / 3 / 4 / 3	(3)										0	DDP students should take MATH 1013 OR MATH 1023 to satisfy the requirements of both BSc and BBA degrees
		Required credits for School Requirements	43-44											39	

Major Requirements

Major Required Courses and Electives

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
MARK	3220	Marketing Research	4					4						4	
MARK	3420	Consumer Behavior	4						4					4	
MARK	4210	Strategic Marketing	4										4	4	
MARK		MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified)	12							4	4	4		12	
		Required credits for Major Required Courses and Electives	24											24	

Additional Requirements

Requirements for Dual Degree Program

Required Courses

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
TEMG	1010	Technology and Management Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	
TEMG	3950	Case-based Problem Solving	3			3								3	
		Required credits for Additional Requirements	3											3	

University CORE

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
CORE	C3 - C12	U CORE - Others	30	3	3			3	3	3	9	3	3	30	
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
		Sub-total for University CORE	36											36	

| | | | | 19 | 14 | 21 | 20 | 19 | 20 | 19 | 19 | 19 | 16 | | |
| | | | | | | | | **186##** | | | | | | | |

|<< Declaration of BEng major | |<< Declaration of BBA major

Notes:

@ Course that students need to complete before enrolling into respective major/programs.

( ) indicates the reuse of the same course to fulfill more than one requirement.

[ ] denotes the course is also offered in other terms as indicated and students may take the course in one of these subject to advice by the program office.

--- denotes the course/requirement is either waived or substituted

To graduate, students should complete all requirements as specified for DDP.

**Remarks on course(s):

>> 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.