

The Hong Kong University of Science and Technology

School of Science

An Example on Student's Pathway (as of 25 July 2023)

<< Declaration of major

School:		School of Science			Student's Pathways (i.e. Study Pattern)										Remarks
Department:		School of Science			Pathway 1										
Program:		BSc in Biotechnology and Business			Background: HKDSE 4 Core + 2 Elec (incl. 1/2x BIOL, 1/2x CHEM) Profile: Normative										
Course Offering Dept (course code prefix)	Course Code	Course Title / Courses List	Credits	Major Pre-requisite	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Sub-total		
Major Requirements															
Major Required Courses and Electives															
BIBU	1010	Biotechnology and Business Seminar	1					1					1		
BIBU	4820	Biotechnology Entrepreneurship and Business Operations	3								3		3		
BIBU	4830	Biotechnology Management	3									3	3		
BIBU	4840	Note: BIBU 4840 OR BIBU 4850 Biotechnology and Business Capstone Project	3-6								[3]	3	3		
BIBU	4850	Biotechnology and Business Project Research	6												
LIFS		Note: Students with level 3 or above in HKDSE 1x Biology are exempted from taking LIFS 1901 General Biology I	0-3		3								3		
LIFS	1901	General Biology I	3												
LIFS	1902	General Biology II	3			3							3		
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	2210	Biochemistry I	3				3						3		
LIFS	3110	Biotechnological Application of Recombinant DNA Techniques	3						3				3		
LIFS	4150	Plant Biotechnology	3								3		3		
LIFS	4200	Concepts and Issues in Contemporary Biotechnology	3								3		3		
CHEM		Note: Students with level 3 or above in HKDSE 1/2x or 1x Chemistry are exempted from taking CHEM 1008 Introductory Chemistry	0-3		[3]								0		
CHEM	1008	Introductory Chemistry	3												
CHEM	1020	General Chemistry I	3		3								3		
CHEM	1030	General Chemistry II	3			3		[3]					3		
MATH		Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra	3-4												
MATH	1003	Calculus and Linear Algebra	3												
MATH	1012	Calculus IA	4		3								3		
MATH	1013	Calculus IB	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
PHYS		Note: PHYS 1101 OR PHYS 1111 OR PHYS 1112 OR PHYS 1312 Introductory Physics	3-4												
PHYS	1101	Introductory Physics	4					3					3		
PHYS	1111	General Physics I	3												
PHYS	1112	General Physics I with Calculus	3												
PHYS	1312	Honors General Physics I	3												
ACCT	2200	Principles of Accounting II	3					3					3		
ECON		Note: ECON 2103 OR ECON 2113 Principles of Microeconomics	3		3		[3]	[3]					3		
ECON	2103	Principles of Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2123	Macroeconomics	3					3					3		
FINA	2203	Fundamentals of Business Finance	3						3				3		
ISOM	2010	Introduction to Information Systems	3					3					3		
ISOM	2500	Business Statistics	3		3		[3]						3		
ISOM	2700	Operations Management	3							3			3		
MARK	2120	Marketing Management	3						3				3		
MGMT	2110	Organizational Behavior	3							3			3		
MGMT	2130	Business Ethics and Social Responsibility	2							2			2		
LANG	2010	English for Science I	3					3					3		
LANG		Note: LANG 2061 OR LANG 2062 OR LANG 3060 Professional Writing for the Workplace	3												
LANG	2061**	Professional Writing for the Workplace	3												
LANG	2062**	Professional Speaking for the Workplace	3												
LANG	3060**	Advanced Academic Writing	3												
SSCI/SBM		Biotechnology and Business Electives (Courses from the specified elective list, of which at least 3 credits from each area in Biotechnology / Business)	9						3	3	3		9		
Required credits for Major Required Courses and Electives			88-99										88		
University CORE															
CORE	C3 - C10	U CORE - Others	24		1	2	6	3	3	3	3	3	24		
CORE	C1 & C2	U CORE - English Language	6		3	3							6		
Sub-total for University CORE			30										30		
Term load (excl. free credits)															
					16	15	18	16	15	14	15	9			
118#															

Notes:

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

To graduate, students should complete at least 120 credits in approved courses. They may need to take courses additional to the required and elective courses as specified above to meet this minimum credit requirement.

**Remarks on course(s):	
- LANG 2061:	This is a new course to take effect in Spring, 2023-24.
- LANG 2062:	This is a new course to take effect in Spring, 2023-24.
- LANG 3060:	This is a new course to take effect in Spring, 2023-24.

>> 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 for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it out from respective School and Department.

2023-24 BIBU (4Y) (2023-24 intake)

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