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 of Science Division of Life Science												
Program:		BSc in Biochemistry and Cell Biology				ound: HK								
		,			Profile: Normative									
					Trong. Normalive									
Course	Course Code	Course Title / Courses List						!						
Offering Dept				Majo				ļ						
(course code				Major Pre-requisite		Yes		, Yes		Yes		Yes		
prefix)			0	e-rec	Year 1	ar 1 :	Year 2	ar 2 (Year 3	ar 3	Year	ar 4 :	Sub	
			Credits	isiup	1 Fa	Year 1 Spring	2 Fa	Year 2 Spring	3 Fa	Year 3 Sprin	Year 4 Fal	Year 4 Spring	Sub-total	Remarks
School Rec	luirements	<u></u>	ช	Œ.	<u> </u>	īg	=	g	<u>=</u>	g	<u></u>	g	<u>a</u>	nemarks
SCIE 1000 Science School Induction 0 0 0 0														
COMP COMP	1021	Note: COMP 1021 OR COMP 1022P OR COMP 2011 Introduction to Computer Science	3-4 3					: :						
COMP	1022P	Introduction to Computing with Java	3					:	3				3	
COMP LANG	2011	Programming with C++ English for Science I	3	-				<u> </u>	3				3	
LIFS		Note: Students with level 3 or above in HKDSE 1x Biology are	0-3					i						
LIFS	1901	exempted from taking LIFS 1901 General Biology I	3	@	3			i					3	
LIFS	1902	General Biology II	3	@		3		i					3	
CHEM	1004	Chemistry in Everyday Life General Chemistry IA	3		_			<u> </u>					0	
CHEM	1020	General Chemistry I	3		3			<u> </u>					3	
CHEM	1030	General Chemistry II	3			3		<u> </u>					3	
CHEM	1050	Laboratory for General Chemistry I	1		{1}			į					0	
CHEM	1055	Laboratory for General Chemistry II Environmental Science	1			{1}		<u> </u>					0	
LIFS	1903	Laboratory for General Biology I	1		1			<u> </u>					0	
LIFS	1904	Laboratory for General Biology II	1		<u> </u>	{1}		!					0	
LIFS	1930	Nature of Life Sciences	3					!					0	
LIFS MATH	2210 1012	Biochemistry I Calculus IA	3	-	 		3	<u>.</u>					3	
MATH	1012	Calculus IB	3		-	3		: 					0	
MATH	1014	Calculus II	3					<u>. </u>					0	
MATH	1020	Accelerated Calculus	4										0	
MATH MATH	1023	Honors Calculus I Honors Calculus II	3	-	 							_	0	
MATH	2023	Multivariable Calculus	4					i					0	
MATH	2121	Linear Algebra	4										0	
MATH	2131	Honors in Linear and Abstract Algebra I	4										0	
OCES PHYS	1030	Environmental Science Physics and the Modern Society	3		3								0	
PHYS	1111	General Physics I	3		3								0	
PHYS	1112	General Physics I with Calculus	3										0	
PHYS PHYS	1113	Laboratory for General Physics I	1										0	
PHYS	1115	General Physics II Laboratory for General Physics II	3					<u> </u>					0	
PHYS	1312	Honors General Physics I	3										0	
PHYS	1314	Honors General Physics II	3										0	
		dits for School / Major Pre-requisite Requirements											28	
Major Requ	d Courses and E	Floativos			\rightarrow	_								
LIFS	Courses and E	Note: Students with level 3 or above in HKDSE 1x Biology are	0-1					i						
LIFS	1903	exempted from taking LIFS 1903 Laboratory for General Biology I	1		(1)			i I					0	
LIFS	1904	Laboratory for General Biology II	1			1		İ					1	
LIFS	2010	Modern Approaches to Biochemical and Cell Biological Research	3				3	Ĭ					3	
LIFS	2040	Cell Biology	3					3					3	
LIFS	2210	Biochemistry I	3				(3)						0	
LIFS	2220 2240	Biochemistry II	3					3					3	
LIFS	2720	Cell Biology Laboratory Biochemistry Laboratory	2				2	3					3	
LIFS	2820	Biochemical Laboratory Techniques	1				1	! :					1	
LIFS	3010	Molecular and Cellular Biology I	3						3				3	
LIFS	3020 3140	Molecular and Cellular Biology II General Genetics	3					<u> </u>		3			3	
LIFS/SCIE	3140	Note: LIFS 4961 OR (LIFS 4971 AND LIFS 4981) OR	3-7					<u> </u>	4				4	
		(SCIE 4500 AND LIFS 4981) (Students following IRE Track can only use (SCIE 4500 AND LIFS 4981) to fulfill						i						
LIFS	4961	the requirement.) Biochemistry and Cell Biology Capstone Project	3					i			[3]	3	3	
LIFS	4971	Biochemistry and Cell Biology Project Research I	3					i I			[-]			
LIFS SCIE	4981 4500	Biochemistry and Cell Biology Project Research II IRE Research Project II	4 3	1				į	ĺ		ĺ			
CHEM	4040	Note: CHEM 1010 OR CHEM 1020	3											
CHEM CHEM	1010 1020	General Chemistry IA General Chemistry I	3		(3)			į					0	
CHEM	1030	General Chemistry II	3			(3)		Ī					0	
CHEM	1050	Laboratory for General Chemistry I Laboratory for General Chemistry II	1		1	1		<u> </u>					1	
СНЕМ		Note: CHEM 2110 OR CHEM 2311	3			<u>'</u>		<u> </u>					'	
CHEM CHEM	2110 2311	Organic Chemistry I Analytical Chemistry	3	1			3	[3]	ĺ		ĺ		3	
CHEM CHEM	2155	Note: CHEM 2155 OR CHEM 2355	1											
CHEM	2355	Fundamental Organic Chemistry Laboratory Fundamental Analytical Chemistry Laboratory	1		<u> </u>			1					1	
LANG		Note: LANG 3024 OR LANG 3027 (Students following IRE Track should take LANG 3027 to fulfill the requirement.)	3					: 		_			_	
LANG LANG	3024 3027	Science Communication in English (Life Science) Science Communication in English for Research Students	3	1				: 	ĺ	3	[3]		3	
LIFS/BIPH/CHEM/		Biochemistry and Cell Biology Electives (Courses from the specified	12-24					<u>:</u>						
OCES/PHYS		elective list. Students following IRE Track are required to take a minimum of 12 credits; while others should either take a minimum of 20 credits (for						i						
		those opting for LIFS 4971 & LIFS 4981), or 24 credits (for those opting for LIFS 4961). Courses taken as Major/Track Required Courses may not be		1				3	ĺ	6	9	6	24	
		counted towards the elective requirement.)		1				į	ĺ		ĺ			
	Requires	 credits for Major Required Courses and Electives	63-72	+	 			<u> </u>					62	
University (. or out of major riequired Courses and Electives	00-12	ı	II	1	1		ı	l	ı	l	UZ.	<u> </u>
CORE	C3 - C12	U CORE - Others	30		3	3	3	3	3	6	3	6	30	
CORE	C1 & C2	U CORE - English Language	6		3	3		! :					6	
		Sub-total for University CORE	36	1	I		<u> </u>	m la = d /	rol f	adita)	<u> </u>		36	
					17	17	1 er	m load (ex	cl. free cre	edits)	12	15		
					<u> </u>			12	26#					
Notes:								<< De	claratio	n of m	ajor		-	

() 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 terms subject to advice by the program office.

{} indicates the course overlapping with another requirement will not be necessarily counted towards the School Requirements.

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):

The course was last offered in 2020-21 and was deleted subsequently.

>> 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.