

(For students admitted in 2021-22 under the 4-year degree)

BSc in Biological Science

In addition to the requirements of their major programs, students are required to complete the University and School requirements for graduation. For details please refer to the respective sections on this website.

Some courses used to fulfill Major and/or School Requirements can also fulfill University Common Core Requirements. Students may reuse a maximum of 9 credits of these courses to count towards Common Core Requirements.

Students may use no more than 6 credits earned from courses offered in self-paced online delivery mode to satisfy the graduation requirements of a degree program. This 6-credit limit does not apply to credits obtained through the credit transfer procedures of the University.

For students graduating with an additional major, they must take all the requirements specified for that major, within which they must complete at least 20 single-counted credits. These 20 credits cannot be used to fulfill any other requirements for graduation except for the 120-credit degree requirement.

Some courses in the curriculum have been previously coded with CORE-prefix where the special CORE-prefix has been replaced by the domain code of courses starting from Fall 2023-24. Students who have registered with these CORE-coded courses may look up their latest course codes by consulting the conversion table published on the Common Core website.

Major Requirements

Students **MUST** take the following courses prior to enrollment into the major

Major Pre-requisite course(s)

			Credit(s) attained
LIFS		Note: Students with level 3 or above in HKDSE 1x Biology are exempted from taking LIFS 1901	0-3
LIFS	1901	General Biology I	3
LIFS	1902	General Biology II	3

Required Course(s)

			Credit(s) attained
LIFS		Note: Students with level 3 or above in HKDSE 1x Biology are exempted from taking LIFS 1903	0-1
LIFS	1903	Laboratory for General Biology I	1
LIFS	1904	Laboratory for General Biology II	1
LIFS	2040	Cell Biology	3
LIFS	2060	Biodiversity	3
LIFS	2080	Plant Biology	3
LIFS	2210	Biochemistry I	3
LIFS	2220	Biochemistry II	3

LIFS	2240	Cell Biology Laboratory	3
LIFS	3040	Animal Physiology	3
LIFS	3060	Microbiology	3
LIFS		Note: LIFS 3220 <u>OR</u> LIFS 3260	3
LIFS	3220	Animal Physiology Laboratory	3
LIFS	3260	Microbiology Laboratory	3
LIFS		Note: LIFS 4960 <u>OR</u> (LIFS 4970 <u>AND</u> LIFS 4980)	3-7
LIFS	4960	Biological Science Capstone Project	3
LIFS	4970	Biological Science Project Research I	3
LIFS	4980	Biological Science Project Research II	4
CHEM		Note: CHEM 1010 <u>OR</u> CHEM 1012	3
CHEM	1010	General Chemistry IA	3
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3
CHEM	1011	General Chemistry A: Reactions, Thermodynamics, and Reaction Kinetics	3
CHEM	1052	Laboratory for General Chemistry B	1
OCES	3160	Ecology	3
LANG	3024	Science Communication in English (Life Science)	3

Elective(s)

			Minimum credit(s) required
LIFS/BIPH/ CHEM/ENVS/ OCES/PHYS		Biological Science Electives (Courses from the specified elective list. Courses taken as Major Required Courses may not be counted towards the elective requirement.)	12
LIFS		Any LIFS courses at 3000/4000-level	
LIFS	2010	Modern Approaches to Biochemical and Cell Biological Research	3
LIFS	2011	A Practicum on Wetland Conservation	3
LIFS	2070	Introduction to Biotechnology	3
LIFS	2720	Biochemistry Laboratory	2
LIFS	2820	Biochemical Laboratory Techniques	1
BIPH	3010	Advanced Biological Physics	3
BIPH	4010	Principles of Quantitative Instrumentation	3
CHEM	2110	Organic Chemistry I	3
CHEM	2155	Fundamental Organic Chemistry Laboratory	1
CHEM	2310	Fundamentals of Analytical Chemistry	3
CHEM	2355	Fundamental Analytical Chemistry Laboratory	1
CHEM	3120	Organic Chemistry II	3
ENVS	4905**	Marine Molecular Biology and Ecology	3
OCES	1030	Environmental Science	3
OCES	3001	Coastal Environmental Monitoring	3
OCES	3130	Marine Biology	3

OCES	3330	Marine Biology Laboratory	3
OCES	4203	Environmental Impact and Risk Assessment	3
OCES	4301	Environmental Conservation	3
PHYS	2010	Introductory Biological Physics	3

****Remarks on course(s):**

- ENVS 4905: The course was last offered in 2019-20 and was deleted subsequently.