(For students admitted in 2015-16 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 pure 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.

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	3160	Ecology	3

LIFS		Note: LIFS 3220 OR LIFS 3260	3
LIFS	3220	Animal Physiology Laboratory	3
LIFS	3260	Microbiology Laboratory	3
LIFS		Note: LIFS 4960 OR (LIFS 4970 AND 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 OR CHEM 1020	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
LANG	3014	Laboratory Report Writing for Life Science Students	1
LANG	4014	English for Life Science Capstone and Final Year Projects	2

Elective(s)

			Minimum credit(s) required
LIFS/BIPH/ CHEM/ENVS		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	1030	Environmental Science	3
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	2280	Plant Biology Laboratory	3
LIFS	2720	Biochemistry Laboratory	2
LIFS	2820	Biochemical Laboratory Techniques	1
LIFS	3002	Special Topics of Biological Sciences	2-4
LIFS	3010	Molecular and Cellular Biology I	3
LIFS	3020	Molecular and Cellular Biology II	3
LIFS	3070	Biophysics and Physical Biochemistry	3
LIFS	3110	Biotechnological Application of Recombinant DNA Techniques	3
LIFS	3130	Marine Biology	3
LIFS	3140	General Genetics	4
LIFS	3150	Biostatistics	3
LIFS	3220	Animal Physiology Laboratory	3
LIFS	3260	Microbiology Laboratory	3
LIFS	3320	Data Science for Biology and Medicine	3
LIFS	3330	Marine Biology Laboratory	3
LIFS	3370	Human Genetics in Practice	3
LIFS	4000	Special Topics in Life Science	1-4
LIFS	4060	Immunobiology	3

LIFS	4140	Cancer Biology	3
LIFS	4150	Plant Biotechnology	3
LIFS	4380	Pharmacology and Toxicology	3
LIFS	4550	Biochemistry of Nutrition	3
LIFS	4760	Biochemistry of Diseases	3
LIFS	4800	Epigenetics and Chromosome Biology	3
LIFS	4950	Neurochemistry	3
BIPH	2010	Introductory Biological Physics	3
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	3001	Pollution Monitoring and Measurement	3
ENVS	4001	Environmental Impact and Risk Assessment	3
ENVS	4301	Environmental Conservation	3
ENVS	4905	Marine Molecular Biology and Ecology	3