

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

BSc in Biotechnology and Business

Students taking the BSc Program in Biotechnology and Business as their first major are exempted from the School Requirements. However, they are still required to complete the University requirements in addition to the major requirements for graduation. For details please refer to the respective sections on this website.

Some courses used to fulfill Major 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

Required Course(s)

			Credit(s) attained
BIBU	1010	Biotechnology and Business Seminar	1
BIBU	4820	Biotechnology Entrepreneurship and Business Operations	3
BIBU	4830	Biotechnology Management	3
BIBU		Note: BIBU 4840 <u>OR</u> BIBU 4850	3-6
BIBU	4840	Biotechnology and Business Capstone Project	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	0-3
LIFS	1901	General Biology I	3
LIFS	1902	General Biology II	3
LIFS	1904	Laboratory for General Biology II	1
LIFS	2040	Cell Biology	3
LIFS	2070	Introduction to Biotechnology	3
LIFS	2210	Biochemistry I	3
LIFS	3110	Biotechnological Application of Recombinant DNA Techniques	3
LIFS	4150	Plant Biotechnology	3
LIFS	4200	Concepts and Issues in Contemporary Biotechnology	3
CHEM		Note: Students with level 3 or above in HKDSE 1/2x or 1x Chemistry are exempted from taking CHEM 1004	0-3
CHEM	1004	Chemistry in Everyday Life	3

CHEM		Note: CHEM 1010 <u>OR</u> CHEM 1020	3
CHEM	1010	General Chemistry IA	3
CHEM	1020	General Chemistry IB	3
CHEM	1030	General Chemistry II	3
MATH		Note: MATH 1003 <u>OR</u> MATH 1012 <u>OR</u> MATH 1013 <u>OR</u> MATH 1020 <u>OR</u> MATH 1023	3-4
MATH	1003	Calculus and Linear Algebra	3
MATH	1012	Calculus IA	4
MATH	1013	Calculus IB	3
MATH	1020	Accelerated Calculus	4
MATH	1023	Honors Calculus I	3
PHYS		Note: PHYS 1001 <u>OR</u> PHYS 1111 <u>OR</u> PHYS 1112 <u>OR</u> PHYS 1312	3
PHYS	1001	Physics and the Modern Society	3
PHYS	1111	General Physics I	3
PHYS	1112	General Physics I with Calculus	3
PHYS	1312	Honors General Physics I	3
SCIE/SBMT		Note: SCIE 1000 <u>OR</u> SBMT 1111	0
SCIE	1000	Science School Induction	0
SBMT	1111	Business Student Induction	0
ACCT	2200	Principles of Accounting II	3
ECON		Note: ECON 2103 <u>OR</u> ECON 2113	3
ECON	2103	Principles of Microeconomics	3
ECON	2113	Microeconomics	3
ECON	2123	Macroeconomics	3
FINA	2203	Fundamentals of Business Finance	3
ISOM/COMP		Note: ISOM 2010 <u>OR</u> COMP 1001	3
ISOM	2010	Introduction to Information Systems	3
COMP	1001	Exploring Multimedia and Internet Computing	3
ISOM	2500	Business Statistics	3
ISOM	2700	Operations Management	3
MARK	2120	Marketing Management	3
MGMT	2110	Organizational Behavior	3
MGMT	2130	Business Ethics and Social Responsibility	2
LABU	2060	Effective Communication in Business	3
LANG	2010	English for Science I	3

Elective(s)

			Minimum credit(s) required
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
Biotechnology			
LIFS	3060	Microbiology	3
LIFS	3140	General Genetics	4
LIFS	3260	Microbiology Laboratory	3
LIFS	3370	Human Genetics in Practice	3
LIFS	3580	Bioinformatics	3
LIFS	4140	Cancer Biology	3
LIFS	4320	Data Science for Biology and Medicine	3
LIFS	4370	Human Genetics and Personalized Medicine	3
LIFS	4380	Pharmacology and Toxicology	3
LIFS	4550	Biochemistry of Nutrition	3
LIFS	4630	Advanced Topics in Biotechnology	3
LIFS	4760	Biochemistry of Diseases	3
BTEC	5340	Biomarkers and Medical Devices	3
BTEC	5380	Drug Discovery and Development	3
CHEM	2110	Organic Chemistry I	3
CHEM	2155	Fundamental Organic Chemistry Laboratory	1
CHEM	2311	Analytical Chemistry	3
CHEM	2355	Fundamental Analytical Chemistry Laboratory	1
Business			
ECON	3014	Managerial Microeconomics	4
ECON	3024	Managerial Macroeconomics	4
ECON	3334	Introduction to Econometrics	4
ECON	4124	Applied Game Theory	4
FINA	4103	Financial Markets Trading and Structure	3
ISOM	3310	e-Business Management and Web Analytics	3
ISOM	3360	Data Mining for Business Analytics	3
ISOM	3710	Business Modeling and Optimization	4
ISOM	4020	Innovation Management and Technology Entrepreneurship	3
ISOM	4750	Business Project Management	3
MARK	3220	Marketing Research	4
MARK	3410	Promotion and Advertising Management	4
MARK	3480	Pricing Strategy	4
MARK	4450	Brand Management	4
MGMT	3110	Human Resources Management	4
MGMT	3120	Managerial Leadership	4

