

Programme Requirements for Bachelor of Science with Honours in Biomedical Sciences and Biotechnology

1. Programme Requirement – Year 1 Entry

1.1 To be eligible for the award of the degree of Bachelor of Science with Honours in Biomedical Sciences and Biotechnology through Year 1 Entry, a student shall:

1.1.1 obtain 120 credit-units as prescribed below, of which no more than 30 credit-units shall be at 1000-level, at least 24 credit-units shall be at 3000-level and at least 24 credit-units shall be at 4000-level:

1.1.1.1 87 credit-units of core courses applicable to Year 1 entry as listed in Table 1;

1.1.1.2 6 credit-units of 3000-level or 4000-level elective courses Table 2 or 3;

1.1.1.3 6 credit-units of 4000-level elective courses from Table 3;

1.1.1.4 9 credit-units of University Core courses from Table 4;

1.1.1.5 6 credit-units of University English courses from Table 5;

1.1.1.6 6 credit-units of General Education (GE) courses (see www.hkmu.edu.hk/FT_GE for the updated list of GE courses)

and

1.1.2 attain the CGPA for graduation as prescribed in the Regulations for the award of undergraduate degrees.

2. Programme Requirement – Year 2 Entry

2.1 To be eligible for the award of the degree of Bachelor of Science with Honours in Biomedical Sciences and Biotechnology through Year 2 Entry, a student shall:

2.1.1 obtain 93 credit-units as prescribed below, of which at least 24 credit-units shall be at 3000-level and at least 24 credit-units shall be at 4000-level:

2.1.1.1 72 credit-units of core courses applicable to Year 2 entry as listed in Table 1;

2.1.1.2 6 credit-units of 3000-level or 4000-level elective courses from Table 2 or 3;

2.1.1.3 6 credit-units of 4000-level elective courses from Table 3;

2.1.1.4 9 credit-units of University Core courses from Table 4

and

2.1.2 attain the CGPA for graduation as prescribed in the Regulations for the award of undergraduate degrees.

3. Programme Requirement – Year 3 Entry

3.1 To be eligible for the award of the degree of Bachelor of Science with Honours in Biomedical Sciences and Biotechnology through Year 3 Entry, a student shall:

3.1.1 obtain 66 credit-units as prescribed below, of which at least 24 credit-units shall be at 3000-level and at least 24 credit-units shall be at 4000-level:

3.1.1.1 45 credit-units of core courses applicable to Year 3 entry as listed in Table 1;

3.1.1.2 6 credit-units of 3000-level or 4000-level elective courses from Table 2 or 3;

3.1.1.3 6 credit-units of 4000-level elective courses from Table 3;

3.1.1.4 9 credit-units of University Core courses from Table 4

and

3.1.2 attain the CGPA for graduation as prescribed in the Regulations for the award of undergraduate degrees.

Table 1: Core Courses

Course Code	Course Title	Credit-units	Year Entry		
			1	2	3
BIOL 1003SEF	Essential Biology	3	✓		
BIOL 2002SEF	Human Anatomy	3	✓	✓	
BIOL 2005SEF	Cells and Diseases	3	✓	✓	
BIOL 2012SEF	Human Physiology	3	✓	✓	
BIOL 2035SEF	Biochemistry & Microbiology	3	✓	✓	
BIOL 2036SEF	Cellular & Molecular Biology	3	✓	✓	
BIOL 3004SEF	Pathophysiology	3	✓	✓	✓
BIOL 3056SEF	Biochemical and DNA Techniques	3	✓	✓	✓
BIOL 4006SEF	Tools and Techniques in Biotechnology	3	✓	✓	✓
BIOL 4008SEF	Pharmaceutical Biotechnology and Traditional Chinese Medicine	3	✓	✓	✓
BIOL 4012SEF	Medical Genetics	3	✓	✓	✓
CHEM 1002SEF	Essential Chemistry	3	✓		
CHEM 3050SEF	Analytical Chemistry	3	✓	✓	✓
MLS 4011SEF	Bioinformatics	3	✓	✓	✓
SCI 1010SEF	Laboratory Safety & Good Laboratory Practice	3	✓		
SCI 1100SEF	General Chemistry Laboratory Training	3	✓		

Course Code	Course Title	Credit-units	Year Entry		
			1	2	3
SCI 1101SEF	General Biology Laboratory Training	3	✓		
SCI 2005SEF	Public health and Infectious Control	3	✓	✓	
SCI 2006SEF	Pharmacology and Toxicology	3	✓	✓	✓
SCI 2100SEF	Microbiology Laboratory Training I	3	✓	✓	✓
SCI 2101SEF	Chemical Analysis Laboratory Training I	3	✓	✓	
SCI 2102SEF	DNA & Biochemical Analysis Laboratory Training I	3	✓	✓	
SCI 3030SEF	Scientific Research Methods	3	✓	✓	✓
SCI 3090SEF	Professional Training & Workplace Attachment	3	✓	✓	✓
SCI 3100SEF	Microbiology Laboratory Training II	3	✓	✓	✓
SCI 3101SEF	Chemical Analysis Laboratory Training II	3	✓	✓	✓
SCI 3102SEF	DNA & Biochemical Analysis Laboratory Training II	3	✓	✓	✓
SCI 4010SEF	Science Research Project	6	✓	✓	✓

Table 2: 3000-level elective courses

Course Code	Course Title	Credit-units
BIOL 3001SEF	Conservation and Biodiversity	3
BIOL 3015SEF	Medical Immunology	3
SCI 3031SEF	Biostatistics	3
SCI 3065SEF	Food Analysis	3

Table 3: 4000-level elective courses

Course Code	Course Title	Credit-units
BIOL 4011SEF	Medical Virology	3
MLS 4001SEF	Molecular Diagnosis of Human Diseases	3
SCI 4001SEF	Legal and ethical issues in health care	3
SCI 4011SEF	Environmental Health and Safety	3
SCI 4063SEF	Selected Topics in Food Safety	3

Table 4: University Core courses

Course Code	Course Title	Credit-units
UNI 1002ABW	University Core Values	2
UNI 1012ABW	Social Responsibilities	1
UNI 2002BEW	Effective Communication and Teamwork	3
UNI 3002BEW	Entrepreneurial Mindset and Leadership for Sustainability	3

Table 5: University English Courses

Course Code	Course Title	Credit-units
ENGL 1101AEF	University English: Reading and Writing	3
ENGL 1202EEF	University English: Listening and Speaking	3

August 2024