Regulations for the degree of Bachelor of Science in Applied Science (Biology and Chemistry) and Bachelor of Science with Honours in Applied Science (Biology and Chemistry)

The programmes of **Bachelor of Science in Applied Science (Biology and Chemistry)** and **Bachelor of Science with Honours in Applied Science (Biology and Chemistry)** has been phased out from January 2020. The University will continue to confer the award of the degree of **Bachelor of Science in Applied Science (Biology and Chemistry)** and **Bachelor of Science with Honours in Applied Science (Biology and Chemistry)** up to December 2024.

These regulations are made under paragraphs 1 to 4 of the Regulations for the Award of Undergraduate Degrees.

In these regulations definitions shall apply as in the Regulations for the Award of Undergraduate Degrees and in the Interpretation Section of the Academic Rules and Regulations.

Bachelor of Science in Applied Science (Biology and Chemistry) (BSCAS) (See Note 10)

1. To be eligible for the award of the degree of **Bachelor of Science in Applied Science (Biology and Chemistry)**, a student shall:
   a) comply with the Regulations for Admission, Registration and Maintenance of Status; and
   b) comply with the Regulations for the Award of Undergraduate Degrees; and
   c) obtain at least 120 credits of which no more than 40 credits shall be obtained at Foundation level; and
   d) obtain at least 100 credits in courses prescribed by the regulations as appropriate to the degree for which notice has been given, including at least 20 credits in courses at Higher level.
2. For the degree of **Bachelor of Science in Applied Science (Biology and Chemistry)**, the University has prescribed that a student must
   a) successfully complete 20 credits from courses at Foundation level labelled FD in Table 1; and
   b) successfully complete 25 credits from courses at Middle level labelled MD in Table 1; and
   c) successfully complete 30 credits from courses labelled D1 in Table 1; and
   d) successfully complete 10 credits from courses labelled D2 in Table 1; and
   e) obtain 15 credits from courses labelled OD in Table 1; and
   f) successfully complete additional courses, as necessary, from any Foundation, Middle or Higher level courses offered by the University, provided that, of the total 120 credits, no more than 40 are gained at Foundation level.

Bachelor of Science with Honours in Applied Science (Biology and Chemistry) (BSCHAS) (See Note 10)

1. To be eligible for the award of the degree of **Bachelor of Science with Honours in Applied Science (Biology and Chemistry)**, a student shall:

   a) comply with the Regulations for Admission, Registration and Maintenance of Status; and

   b) comply with the Regulations for the Award of Undergraduate Degrees; and

   c) obtain at least 160 credits of which no more than 40 credits shall be obtained at Foundation level; and

   d) obtain at least 40 credits in courses at Higher level; and

   e) successfully complete the prescribed programme of studies.

2. For the degree of **Bachelor of Science with Honours in Applied Science (Biology and Chemistry)**, the University has prescribed that a student must:

   a) successfully complete 20 credits from courses at Foundation level labelled FH in Table 1 ; and

   b) successfully complete 25 credits from courses at Middle level labelled MH in Table 1; and

   c) successfully complete 30 credits from courses labelled CH1 in Table 1; and

   d) successfully complete 10 credits from courses labelled CH2 in Table 1; and

   e) obtain 20 credits from courses labelled HD1 in Table 1; and

   f) obtain 20 credits from courses labeled HD2 in Table 1, and

   g) successfully complete 15 credits from courses labeled CH3 in Table 1; and

   h) successfully complete additional courses, as necessary, from any Foundation, Middle or Higher level courses offered by the University, provided that, of the total 160 credits, no more than 40 are gained at Foundation level.

3. Each degree with Honours shall be conferred with a classification of First Class, Second Class (Upper Division), Second Class (Lower Division) or Third Class save that exceptionally a degree may be conferred without classification.

4. Subject to the requirements of the relevant programme of study, each person on whom an Honours degree is to be conferred shall be assigned to a classification determined by the University according to its regulations.

5. For the calculation of scores for classification purposes in the degree of **Bachelor of Science with Honours in Applied Science (Biology and Chemistry)**, the University has deemed that "Group (a)" shall consist of the best 40 credits in courses at Higher level listed in Table 1, and that "Group (b)" shall consist of the best 40 credits in courses at Higher or Middle level listed in Table 1, where such credits are not taken into account in "Group (a)". Further, that "X" shall equal two, that is "Group (a)" shall be weighted at twice the value of "Group (b)". (Refer to the paragraphs on Classification of the Degree with Honours of the Regulations for the Award of Undergraduate Degrees.)

Table 1

Course Code	Course Title	Credits	BSCAS	BSCHAS	Honours Classification Group
Foundation level					
SCI S121 [1,3,8]	A Foundation Course in Physics and Chemistry	10	FD	FH	--
SCI S122	A Foundation Course in Biology and Earth Science	10	FD	FH	--
SCI S123 [1,8]	Foundation Physics	5	FD	FH	--
SCI S124 [1,8]	Foundation Chemistry	5	FD	FH	--
Middle level					
BIOL S205 [1,2]	The Core of Life	5	MD	MH	b
CHEM S251	Organic and Physical Chemistry	10	MD	MH	b
MATH S242 [1,3,7]	Statistics in Society	10	MD	MH	b
STAT S242 [1,7]	Statistics in Society	10	MD	MH	b
Higher level					
BIOL S328 [1,3,4]	Ecology	10	D1	CH1	a or b
BIOL S338 [1,4]	Theory and Practical Skills in Ecology	10	D1	CH1	a or b
CHEM S310 [1,3,9]	Analytical Chemistry	10	D1	CH1	a or b
CHEM S311 [1,9]	Analytical Chemistry	5	D1	CH1	a or b
CHEM S312 [1,9]	Instrumental Analysis	5	D1	CH1	a or b
SCI S319 [1,3,5]	Quality Management for Science and Technology	5	D1	CH1	a or b
SCI S330 [1]	Scientific Research Methods	5	D1	CH1	a or b
TC S319 [1,5]	Quality Management for	5	D1	CH1	a or b

Course Code	Course Title	Credits	BSCAS	BSCHAS	Honours Classification Group
	Science and Technology				
BIOL S401 [1]	Contemporary Biology Development	5	D2	CH2	a or b
CHEM S402 [1]	Contemporary Chemistry Development	5	D2	CH2	a or b
BIOL S301 [1]	Conservation and Biodiversity	5	OD	HD1	a or b
BIOL S302 [1]	Animal and Plant Physiology	5	OD	HD1	a or b
BIOL S303 [1]	Molecular and Microbiology	5	OD	HD1	a or b
BIOL S312	Human Physiology for Health	5	OD	HD1	a or b
BIOL S406	Tools and Techniques for Biotechnology	5	--	HD2	a or b
CHEM S340 [1]	Inorganic Chemistry	10	OD	HD1	a or b
CHEM S345 [1]	Principles of Chemical Synthesis	5	OD	HD1	a or b
CHEM S445 [1]	Advances in Chemical Synthesis	5	--	HD2	a or b
CHEM S450	Advanced Techniques for Organic Structure Analysis	5	--	HD2	a or b
ENVR S403 [1]	Applications of Biology and Chemistry in Environmental Studies	10	--	HD2	a or b
ENVR S411 [1]	Environmental Health and Safety	10	--	HD2	a or b
SCI S404 [1]	Advanced Topics in Food and Health Sciences	5	--	HD2	a or b
SCI S409 [1,3,6]	Safety and Reliability for Science and Technology	5	--	CH3	a or b
SCI S410 [1]	Research Project in Applied Science	10	--	CH3	a or b
TC S409 [1,6]	Safety and Reliability for Science and Technology	5	--	CH3	a or b

Notes:

1. This course forms an excluded combination with other course(s). Only one of the courses in the excluded combination can be counted towards an HKMU award. Students should refer to the list of excluded combination for details.

2. BIOL S204 has been replaced by BIOL S205, BIOL S301, BIOL S302 and BIOL S303. If students have successfully completed BIOL S204, they are deemed to have satisfied the requirements for BIOL S205, BIOL S301, BIOL S302 and BIOL S303.

3. Courses no longer available.

4. BIOL S328 has been replaced by BIOL S338. If students have successfully completed BIOL S328, they are deemed to have satisfied the requirements for BIOL S338.

5. Successful completion of SCI S319 is considered as completion of TC S319.

6. Successful completion of SCI S409 is considered as completion of TC S409.

7. Successful completion of MATH S242 is considered as completion of STAT S242.

8. SCI S121 has been replaced by SCI S123 and SCI S124. If students have successfully completed SCI S121, they are deemed to have satisfied the requirements for SCI S123 and SCI S124.

9. CHEM S310 has been replaced by CHEM S311 and CHEM S312. If students have successfully completed CHEM S310, they are deemed to have satisfied the requirements for CHEM S311 and CHEM S312.

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