HONG KONG METROPOLITAN UNIVERSITY

Regulations for the degree of Bachelor of Science in Computing and Networking and Bachelor of Science with Honours in Computing and Networking

1. General

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

1.2 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.

2. Entry Requirements

2.1 To enter the **Bachelor of Science in Computing and Networking** programme through Pathway 1 or the **Bachelor of Science with Honours in Computing and Networking** through Pathway 1, a student shall normally possess a recognized Associate Degree or Higher Diploma (or equivalent) in a directly computing related area from a local tertiary institution recognized by the University.

3. Bachelor of Science in Computing and Networking (BSCCN)

3.1 To be eligible for the award of the degree of **Bachelor of Science in Computing and Networking**, a student shall:

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

3.1.2 comply with the Regulations for the Award of Undergraduate Degrees; and

3.1.3 obtain at least 120 credits of which no more than 40 credits shall be obtained at Foundation level; and

3.1.4 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.

3.1.5 successfully complete the prescribed programme of studies.

3.2 For the degree of **Bachelor of Science in Computing and Networking**, the University has prescribed that a student must:

3.2.1 successfully complete 20 credits from courses at Foundation level (labelled FD in Table 1), where MATH S121 is compulsory; and

3.2.2 successfully complete 60 credits from courses labelled CD in Table 1; and

3.2.3 obtain 10 credits from courses labelled D1 in Table 1; and

3.2.4 obtain 10 credits from courses labelled D2 in Table 1; and

3.2.5 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.

4. Bachelor of Science in Computing and Networking (through Pathway 1) (BSCCN1)

4.1 To be eligible for the award of the degree of **Bachelor of Science in Computing and Networking**, a student who entered the programme through Pathway 1 shall:

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

4.1.2 comply with the Regulations for the Award of Undergraduate Degrees; and

4.1.3 obtain at least 40 credits in courses prescribed by the regulations as appropriate to the degree for which notice has been given.

4.2 For the degree of **Bachelor of Science in Computing and Networking**, the University has prescribed that a student who entered the programme through Pathway 1 must:

4.2.1 successfully complete 20 credits from courses labelled CD in Table 1 of which at least 10 credits must be at Higher level; and

4.2.2 obtain 10 credits from courses labelled D1 in Table 1; and

4.2.3 obtain 10 credits from Higher level courses labelled D2 in Table 1.

5. Bachelor of Science with Honours in Computing and Networking (BSCHCN)

5.1 To be eligible for the award of the degree of **Bachelor of Science with Honours in Computing and Networking**, a student shall:

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

5.1.2 comply with the Regulations for the Award of Undergraduate Degrees; and

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

5.1.4 obtain at least 40 credits in courses at Higher level; and

5.1.5 successfully complete the prescribed programme of studies.

5.2 For the degree of **Bachelor of Science with Honours in Computing and Networking**, the University has prescribed that a student must:

5.2.1 successfully complete 20 credits from courses at Foundation level (labelled FH in Table 1), where MATH S121 is compulsory; and

5.2.2 successfully complete 80 credits from all compulsory courses (labelled CH in Table 1); and

5.2.3 successfully complete 40 credits from elective courses labelled ED with at least one from COMP S411, COMP S491 and COMP S450; and

5.2.4 successfully complete 20 more credits from any Foundation, Middle, or Higher level courses offered by the University, as necessary, provided that, of the total 160 credits, no more than 40 are gained at Foundation level.

6. Bachelor of Science with Honours in Computing and Networking (through Pathway 1) (BSCHCN1)

6.1 To be eligible for the award of the degree of **Bachelor of Science with Honours in Computing and Networking**, a student who entered the programme through Pathway 1 shall:

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

6.1.2 comply with the Regulations for the Award of Undergraduate Degrees; and

6.1.3 successfully complete the prescribed programme of studies.

6.2 For the degree of **Bachelor of Science with Honours in Computing and Networking**, the University has prescribed that a student who entered the programme through Pathway 1 must:

6.2.1 successfully complete 40 credits from Higher level courses labelled CH in Table 1; and

6.2.2 obtain 10 credits from COMP S411, COMP S491 or COMP S450 in Table 1; and

6.2.3 obtain 30 credits from courses labelled ED or Middle level courses labelled CH in Table 1.

7. 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.

8. 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.

9. For the calculation of scores for classification purposes in the degree of **Bachelor of Science with Honours in Computing and Networking**, the University has deemed that "Group (a)" shall consist of the best 20 credits in courses labelled CH in Table 1 at Higher level plus the best 20 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: Courses currently on offer (Phased out courses that can be counted towards the degree are listed in note 4)

Course Code	Course Title	Credits	BSCCN	BSCHCN	Honours Classification Group
Foundation level					
BUS B103 [1,4]	English and Communications for Business I	5	FD	FH	--
IT E150 [1]	Information Technology for Learning	5	FD	FH	--
IT E150C [1]	Information Technology for Learning	5	FD	FH	--
IT S123	Introduction to Internet Services and Applications	10	FD	FH	--
MATH S121 [1,4]	A Foundation in Pure Mathematics	10	FD	FH	--
Middle level					
COMP S201 [1]	Computing Fundamentals with Java	10	CD	CH	b

Course Code	Course Title	Credits	BSCCN	BSCHCN	Honours Classification Group
COMP S258	Computer Programming and Problem Solving	10	CD	CH	b
COMP S260 [1]	Computer Architecture and Operating Systems	10	CD	CH	b
ELEC S212	Network Programming and Design	10	CD	CH	b
ELEC S224 [1,4]	Computers and Processors	10	D2	ED	b
Higher level					
COMP S356 [1]	Software Engineering and Project Management	10	CD	CH	a[3] or b
ELEC S332 [1,4]	Computer Networks	10	CD	CH	a[3] or b
COMP S311 [1]	Advanced Java Programming and Mobile Application Development	10	D1	CH	a[3] or b
COMP S359 [1,4]	Relational Databases: Theory and Practice	10	D1	CH	a[3] or b
COMP S368	Networks and Distributed Systems	10	D2	ED	a or b
COMP S491	Machine Learning and Applications	10	D2	ED	a or b
ELEC S323	Information Theory and Digital Communications	10	D2	ED	a or b
TC S319 [1,4]	Quality Management for Science and Technology	5	D2	ED	a or b
TC S409 [1,4]	Safety and Reliability for Science and Technology	5	D2	ED	a or b
COMP S450 [2] / COMP S451 [2]	Applied Computing Project	10	-	ED	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 combinations for details.

2. Students are advised to take this course for professional membership.

3. 20 credits from compulsory courses at Higher Level (labelled CH) must count in "Group (a)" for Honours classification purposes.

4. The following phased out courses are no longer available. Students who have successfully completed any of these courses can have the credits awarded for the phased out course(s) counted towards the BSCCN/BSCHCN programmes, and are deemed to have completed corresponding replacement course(s), if any, subject to the requirements of relevant regulations.

Table 2: Phased out courses

Phased out Courses			Replacement courses			Label		Honours Classification Group	Note
Course Code	**Course Title**	**Course credits**	**Course Code**	**Course Title**	**Course credits**	**BSCCN**	**BSCHCN**		
BUS B100	Business Communication	5	BUS B103	English and Communications for Business I	5	FD	FH	N/A	--
IT L150	Foundations in Microcomputing and WWW	5	No replacement			FD	FH	N/A	--
MATH S101/ MATH S111	A Foundation in Pure Mathematics	10	MATH S121	A Foundation in Pure Mathematics	10	FD	FH	N/A	1
COMP S210	Computing Fundamentals	10	No replacement			CD	CH	b	--
COMP S211	Object Oriented Technology	10	No replacement			D2	ED	b	--
COMP S268	Commercial Information Processing	10	COMP S269	Commercial Information Systems and Programming	10	D2	ED	b	--
COMP S269	Commercial Information Systems and Programming	10	No replacement			D2	ED	b	--
ELEC S203	The Digital Computer	10	ELEC S224	Computers and Processors	10	D2	ED	b	--
ELEC S223	Microprocessor-based Computers	10	ELEC S224	Computers and Processors	10	D2	ED	b	--
ENGG S238	Quality and Reliability	10	SCI S319/ TC S319	Quality Management for Science and Technology	5	D2	ED	b	--
			SCI S409/ TC S409	Safety and Reliability for Science and Technology	5	D2	ED	b	--
ELEC S312	Networking and Switching Technology	10	ELEC S332	Networking and Switching Technology	10	CD	CH	a or b	--

Phased out Courses			Replacement courses			Label		Honours Classifi-cation Group	Note
Course Code	**Course Title**	**Course credits**	**Course Code**	**Course Title**	**Course credits**	**BSCCN**	**BSCHCN**		
COMP S357/ COMP S358	Relational Databases	10	COMP S359	Relational Databases: Theory and Practice	10	D1	CH	a or b	--
BIS B322	Networking Applications and Electronic Commerce	10	No replacement			D2	ED	a or b	--
BIS B422	Advanced Electronic Commerce	10	No replacement			D2	ED	a or b	--
COMP S411	Advanced Topics in Computing: Digital Multimedia and Mobile Game Development	10	No replacement			D2	ED	a or b	--
SCI S319	Quality Management for Science and Technology	5	TC S319	Quality Management for Science and Technology	5	D2	ED	a or b	1
SCI S409	Safety and Reliability for Science and Technology	5	TC S409	Safety and Reliability for Science and Technology	5	D2	ED	a or b	1

Note to Table 2:

1. Change of course code

October 2021