

HONG KONG METROPOLITAN UNIVERSITY

Regulations for the degree of Bachelor of Science in Communications Technology and Bachelor of Science with Honours in Communications Technology

The programmes of **Bachelor of Science in Communications Technology** and **Bachelor of Science with Honours in Communications Technology** have been phased out from 2021 Spring term. The University will continue to confer the award of the degree of **Bachelor of Science in Communications Technology** and **Bachelor of Science with Honours in Communications Technology** up to December 2025.

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 (through Pathways)

- 2.1 To enter the **Bachelor of Science in Communications Technology** programme through Pathway 1 or the **Bachelor of Science with Honours in Communications Technology** programme through Pathway 1, a student shall normally possess a higher diploma in a discipline closely related to Communications Technology.
- 2.2 To enter the **Bachelor of Science in Communications Technology** programme through Pathway 2 or the **Bachelor of Science with Honours in Communications Technology** programme through Pathway 2, a student shall normally possess a higher diploma in the computer network area.

3. Bachelor of Science in Communications Technology (BSCCT)

- 3.1 To be eligible for the award of the degree of **Bachelor of Science in Communications Technology**, 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, including at least 20 credits in courses at Higher level.
- 3.2 For the degree of **Bachelor of Science in Communications Technology**, the University has prescribed that a student must:
 - 3.2.1 obtain 10 credits from courses labelled FD in Table 1; and
 - 3.2.2 obtain 55 credits from compulsory courses (labelled CD in Table 1); and

- 3.2.3 obtain 10 credits from courses labelled ZD in Table 1; and
- 3.2.4 obtain 10 credits from ELEC S222 and 10 additional credits from courses labelled ZD in Table 1 or obtain 20 credits from ELEC S202; and
- 3.2.5 obtain 5 credits from Management courses (labelled BD in Table 1); and
- 3.2.6 obtain 20 credits 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 Communications Technology (through Pathway 1) (BSCCT1)

- 4.1 To be eligible for the award of the degree of **Bachelor of Science in Communications Technology**, 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.
- 4.2 For the degree of **Bachelor of Science in Communications Technology**, the University has prescribed that a student who entered the programme through Pathway 1 must:
 - 4.2.1 obtain 20 credits from courses labelled ZD in Table 1; and
 - 4.2.2 obtain 20 credits from courses at Middle or Higher level labelled CD in Table 1, of which ELEC S313 must be included.

5. Bachelor of Science in Communications Technology (through Pathway 2) (BSCCT2)

- 5.1 To be eligible for the award of the degree of **Bachelor of Science in Communications Technology**, a student who entered the programme through Pathway 2 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 50 credits in courses prescribed by the regulations as appropriate to the degree.
- 5.2 For the degree of **Bachelor of Science in Communications Technology**, the University has prescribed that a student who entered the programme through Pathway 2 must:
 - 5.2.1 obtain 20 credits from courses labelled ZD in Table 1; and
 - 5.2.2 obtain 30 credits from courses at Middle or Higher level labelled CD (excluding ELEC S212) in Table 1.

6. Bachelor of Science with Honours in Communications Technology (BSCHCT)

- 6.1 To be eligible for the award of the degree of **Bachelor of Science with Honours in Communications Technology**, a student 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 obtain at least 160 credits of which no more than 40 credits shall be obtained at Foundation level; and
- 6.1.4 obtain at least 40 credits in courses at Higher level; and
- 6.1.5 successfully complete the prescribed programme of studies.
- 6.2 For the degree of **Bachelor of Science with Honours in Communications Technology**, the University has prescribed that a student must:
 - 6.2.1 obtain 10 credits from courses labelled FH in Table 1; and
 - 6.2.2 obtain 95 credits from compulsory course group (labelled CH in Table 1); and
 - 6.2.3 obtain 10 credits from ELEC S222 and 10 additional credits from courses labelled IH in Table 1 or obtain 20 credits from ELEC S202; and
 - 6.2.4 obtain 5 credits from Management courses (labelled BH in Table 1); and
 - 6.2.5 obtain 10 credits from Computing/Designing courses (labelled MH in Table 1); and
 - 6.2.6 obtain 20 credits 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.

7. Bachelor of Science with Honours in Communications Technology (through Pathway 1) (BSCHCT1)

- 7.1 To be eligible for the award of the degree of **Bachelor of Science with Honours in Communications Technology**, a student who entered the programme through Pathway 1 shall:
 - 7.1.1 comply with the Regulations for Admission, Registration and Maintenance of Status; and
 - 7.1.2 comply with the Regulations for the Award of Undergraduate Degrees; and
 - 7.1.3 obtain at least 80 credits in courses prescribed by the regulations as appropriate to the degree.
- 7.2 For the degree of **Bachelor of Science with Honours in Communications Technology**, the University has prescribed that a student who entered the programme through Pathway 1 must:
 - 7.2.1 obtain 70 credits from courses at Middle or Higher level labelled CH in Table 1, of which ELEC S311/COMP S356, ELEC S313, ELEC S332, and ELEC S403 must be included; and
 - 7.2.2 obtain 10 credits from courses labelled MH in Table 1.

8. Bachelor of Science with Honours in Communications Technology (through Pathway 2) (BSCHCT2)

- 8.1 To be eligible for the award of the degree of **Bachelor of Science with Honours in Communications Technology**, a student who entered the programme through Pathway 2 shall:
 - 8.1.1 comply with the Regulations for Admission, Registration and Maintenance of Status; and
 - 8.1.2 comply with the Regulations for the Award of Undergraduate Degrees; and
 - 8.1.3 obtain at least 90 credits in courses prescribed by the regulations as appropriate to the degree.
- 8.2 For the degree of **Bachelor of Science with Honours in Communications Technology**, the

University has prescribed that a student who entered the programme through Pathway 2 must:

- 8.2.1 obtain 70 credits from courses at Middle or Higher level labelled CH (excluding ELEC S212) in Table 1; and
 - 8.2.2 obtain 10 credits from courses labelled MH in Table 1; and
 - 8.2.3 obtain 10 credits from courses labelled IH in Table 1.
9. 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.
 10. 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.
 11. For the calculation of scores for classification purposes in the degree of **Bachelor of Science with Honours in Communications Technology**, the University has deemed that "Group (a)" shall consist of the best 20 credits in compulsory 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 3)

Course Code	Course Title	Credits	BSCCT	BSCHCT	Honours Classification Group
<i>Foundation level</i>					
BUS B103 ^{1,3}	English and Communications for Business I	5	CD	CH	--
MATH S122 ^{1,3}	A Foundation in Applied Mathematics	10	CD	CH	--
MATH S121 ^{1,3}	A Foundation in Pure Mathematics	10	FD	FH	--
IT S123	Introduction to Internet Services and Applications	10	FD	FH	--
<i>Middle level</i>					
MGT B240 ¹	Principles and Practices of Management	5	BD	BH	b
MKT B250 ¹	Introduction to Marketing	5	BD	BH	b

Course Code	Course Title	Credits	BSCCT	BSCHCT	Honours Classification Group
ELEC S212	Network Programming and Design	10	CD	CH	b
ELEC S222 ^{1,3}	Electronics Principles and Digital Design	10	ED	EH	b
COMP S201 ¹	Computing Fundamentals with Java	10	--	IH	b
COMP S258	Computer Programming and Problem Solving	10	--	IH	b
IT S234	Web Site Design	10	--	IH	b
<i>Higher level</i>					
ELEC S313	Emerging Technologies	10	CD	CH	a ² or b
ELEC S323 ^{1,3}	Information Theory and Digital Communications	10	CD	CH	a ² or b
ELEC S332 ^{1,3}	Computer Networks	10	ZD	CH	a ² or b
ELEC S403	Communications Technology Project	20	--	CH	a ² or b
COMP S356	Software Engineering and Project Management	10	CD/ZD	CH	a or b
COMP S359 ^{1,3}	Relational Databases: Theory and Practice	10	--	MH	a or b
ELEC S321	Internet Technology for Business Applications	10	--	MH	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. 20 credits from compulsory courses at Higher Level (labelled CH) must count in "Group (a)" for Honours classification purposes
3. 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 BSCCT/BSCHCT 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	BSC CT	BSCH CT		
BUS B100	Business Communication	5	BUS B103	English and Communications for Business I	5	CD	CH	N/A	--
COMP S357	Data Models and Databases	10	COMP S359	Relational Databases: Theory and Practice	10	N/A	MH	a or b	--
COMP S358	Relational Databases	10	COMP S359	Relational Databases: Theory and Practice	10	N/A	MH	a or b	--
ELEC S202	Analogue and Digital Electronics	20	ELEC S222	Electronics Principles and Digital Design	10	ED	EH	b	--
ELEC S211	Fundamentals of Communications Technology	10	No replacement			CD	CH	b	--
ELEC S311	Wireless Communications	10	No replacement			ZD	CH	a or b	--
ELEC S396	Artificial Intelligence for Technology	10	No replacement			N/A	MH	a or b	--
ELEC S312	Networking and Switching Technology	10	ELEC S332	Computer Networks	10	ZD	CH	a or b	--
ELEC S322	Digital Telecommunications	10	ELEC S323	Information Theory and Digital Communications	10	CD	CH	a or b	--
MATH S101	Mathematics: A Foundation Course	20	No replacement			FD	FH	N/A	--
MATH S111	A Foundation in Pure Mathematics	10	MATH S121	A Foundation in Pure Mathematics	10	FD	FH	N/A	1
MATH S112	A Foundation in Applied Mathematics	10	MATH S122	A Foundation in Applied Mathematics	10	CD	CH	N/A	1
MECH S363	Computer-aided Design	10	No replacement			N/A	MH	a or b	--

Phased out Courses			Replacement courses			Label		Honours Classification Group	Note
Course Code	Course Title	Course credits	Course Code	Course Title	Course credits	BSC CT	BSCH CT		
MGT B290	Organizational Behaviour	5	No replacement			BD	BH	b	--
MGT B345	Managing in Organizations	5	No replacement			BD	BH	a or b	--
MGT B346	Theories and Practices of Organizational Behaviour	5	No replacement			BD	BH	a or b	--

Note to Table 2:

1. Change of course code

March 2023