

**Sample Study Schedule
(Normative 4-Year Degree, Common First Year)**

**BSCCCU4-Cybersecurity Cohort 2025
UGC-Funded**

GE Requirements (31 credit units)	+	College / School Requirements (8 credit units)	+	Major Requirements, including 11 credit units for Department Required Supporting Courses (82 credit units)	=	Total (121 credit units)
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Catalogue Term 2025-26

2025-2026 (1st Year)

Semester A			Units	Semester B			Units	Total
GE1401	University English – GE		3	GE2410	English for Engineering – GE		3	
MA1508	Calculus		4	MA1503	Linear Algebra with Applications		4	
CS1302	Introduction to Computer Programming – GE		3	GE1501	Chinese Civilisation - History and Philosophy – GE		3	
CSpC								
GE1601	Whole-Person Development		1	CS2310	Computer Programming		3	
CS2115	Computer Organization		3	CS2402	Introduction to Computational Probability Modelling		3	
CS2117	Foundation of Cybersecurity		3					
			17				16	33

Summer Term 2026 (1st Year)

Encourage to participate in Go Global Activities [activities / programmes outside Hong Kong for not less than 4 weeks (28 days)]

2026-2027 (2nd Year)

Semester A			Units	Semester B			Units	Total
CS2612	Seminars on Contemporary Cybersecurity*		1	CS2612	Seminars on Contemporary Cybersecurity*		1	
CS3201	Computer Networks		3	CS3103	Operating Systems		3	
CS3334	Data Structures		3	CS3104	Applied Cryptographic Systems		3	
CS3402	Database Systems – GE		3	CS3342	Software Design		3	
CSpC								
MA2185	Discrete Mathematics		3	DR-1	Department Required Supporting: @CB / ^GE Course - DR (1)		3	
GE-Area	Gateway Education – GE		3	JC2066	IT Professionals: Ethical, Legal and Social Issues – GE		3	
			16	CSpC			16	32

Summer Term 2027 (2nd Year)

Encourage to participate in Go Global Activities [activities / programmes outside Hong Kong for not less than 4 weeks (28 days)]

OR

		Units	Total
GE-Area	Gateway Education – GE	3	
		3	3

2027-2028 (3rd Year)

Semester A			Units	Semester B			Units	Total
CS3505	IT Professional Internship		6*	CS3505	IT Professional Internship		3*	
CS4101	Software Security		3	CS4293	Topics in Cybersecurity		3	
CS4335	Design & Analysis of Algorithms		3	CS-E	CS Elective (1)		3	
				GE-Area	Gateway Education – GE		3	
			12				12	24

Summer Term 2028 (3rd Year)

Encourage to participate in Go Global Activities [activities / programmes outside Hong Kong for not less than 4 weeks (28 days)]

2028-2029 (4th Year)

Semester A			Units	Semester B			Units	Total
CS4514	Project		3*	CS4514	Project		6*	
EN4262	English Communication Skills for Computing		2	CS-E	CS Elective (4)		3	
DR-2	Department Required Supporting: @CB / ^GE Course - DR (2)		3	CS-E	CS Elective (5)		3	
CS-E	CS Elective (2)		3	GE-Area	Gateway Education – GE		3	
CS-E	CS Elective (3)		3					
			14				15	29

Total Credit Units: 121 (minimum graduation requirement)

Maximum Credit Units: 144 (student may take a minor or opt to take more free electives provided that they have not yet reached the maximum credit limit or maximum period of study permitted.)

Electives: (minimum 15 credit units from the following electives)

Students need to choose at least 2 Cybersecurity elective courses and then take any other 3 elective courses from the list.				
Course Code	Course Title	Level	Credit Units	Remarks
Cybersecurity Electives				
CS4191	Mobile and IoT Security	B4	3	
CS4192	Algorithms for Private Data Analytics	B4	3	
CS4394	Information Security and Management	B4	3	
Artificial Intelligence Electives				
CS4486	Artificial Intelligence	B4	3	
CS4487	Machine Learning	B4	3	
CS4186	Computer Vision and Image Processing	B4	3	
Data Science Electives				
CS3481	Fundamentals of Data Science	B3	3	
CS4480	Data-Intensive Computing	B4	3	
Software Engineering Electives				
CS3343	Software Engineering Practice	B3	3	
CS3346	Software Testing and Maintenance	B3	3	
CS3356	Managing Software Projects	B3	3	
CS4348	Software Quality Management	B4	3	
Other Electives				
CS3185	Computer Architecture	B3	3	
CS3283	Distributed Systems	B3	3	
CS3391	Advanced Programming	B3	3	
CS4295	Mobile Application Programming	B4	3	
CS4296	Cloud Computing	B4	3	
CS4297	Cloud Robotics and Automation	B4	3	
CS4298	iOS Application Development	B4	3	
CS4482	Advanced Database Systems	B4	3	
CS4552	Guided Study	B4	3	A course to fulfil the internship/consultancy project/research project requirement for normative 4-year degree students
MA2172	Applied Statistics for Sciences and Engineering	B2	3	

Remarks:

1.	*	Partial credit units for year-long courses, granted only if completing the whole course.
2.	Gateway Education (GE) Requirements (31 credit units)	<ul style="list-style-type: none"> - 6 credit units in English GE1401 & GE2410 - 3 credit units in Chinese Civilization GE1501 - 1 credit unit in Whole-Person Development GE1601 - 12 credit units in Distributional Requirements with a minimum of 3 credit units from each of the three areas: 'Arts and Humanities', 'Study of Societies, Social and Business Organisations' and 'Science and Technology' - 9 credit units in College Specified Courses [CSpC].
3.	College / School Requirements (8 credit units)	Students of the College of Computing need to earn 8 credit units in fulfillment of the College Requirements. <ul style="list-style-type: none"> - 4 credit units for MA1508 Calculus - 4 credit units for MA1503 Linear Algebra with Applications
4.	Department Required Supporting Courses (DR) (11 credit units)	<ul style="list-style-type: none"> - 5 credit units for MA2185 and EN4262 - 3 credit units from a pool of Department Required Supporting GE courses - 3 credit units from a pool of Department Required Supporting CB courses
5.	Go Global Activities	Activities / programmes which enable students to broaden their cultural horizons through a comprehensive and unique learning experience, either credit bearing or noncredit bearing, outside Hong Kong for not less than 4 weeks (28 days), e.g. Exchange, Internship, Cultural and Language Immersion Scheme, Service Learning and Study Abroad programme.

^Department Required Supporting GE courses (choose any one from the following list)

GE2313 Global IT Case Studies

GE2324 The Art and Science of Data

GE2338 Everyday Security - Protecting Yourself in the Digital Age

GE2340 Artificial Intelligence – Past, Present, and Future

@Department Required Supporting CB courses (choose any one from the following list)

CB2100 Introduction to Financial Accounting

CB2300 Management

CB2500 Information Management

CB2601 Marketing

Notes:

1. English Language Requirement

To fulfil the University's English Language Requirement, students should complete the two Gateway Education (GE) English courses (GE1401 & GE2410). Students cannot proceed to take the above GE English courses (GE1401 & GE2410) until completion of the requirements mentioned below:

- ❖ Students scoring below Level 4 in HKDSE English Language OR below Grade D in HKALE AS-level Use of English: Need to take ~LC0200A & LC0200B (6 credit units).
- ❖ Students who demonstrate that they have achieved a grade B or above in their overall course results for LC0200A will achieve 3 credits and also be considered to have satisfied the pre-requisite for entry to the GE English courses without needing to take LC0200B.
- ❖ For students who do not have Hong Kong public examinations results as specified above, the Chan Feng Men-ling Chan Shuk-lin Language Centre (LC) will invite them to sit for an English Placement Test to determine whether they need to take the course LC0200A & B. Students may, instead of taking the Test, provide an alternative English proficiency qualification (e.g. TOFEL or IELTS) for consideration by the LC. A waiver from taking the LC0200A & B may be granted for students who have achieved the required English proficiency. New admitted students should raise the request to LC in the first semester. Requests after the first semester will not be considered.

~LC0200A & LC0200B 'English for Academic Purposes 1 & 2':

Assessment: Standard grading (A+...F);

It will NOT count towards the minimum credit requirement for graduation and will NOT be included in the calculation of CGPA. However, they will be counted towards the maximum credit units permitted.

2. Chinese Language Requirement

(i)	Students scoring below Level 4 in HKDSE Chinese Language, or below Grade D in HKALE AS-level Chinese Language and Culture	3-credit unit Chinese course (CHIN1001)*
(ii)	Students scoring Level 4 or above in HKDSE Chinese Language, or Grade D or above in HKALE AS-level Chinese Language and Culture	No requirement
(iii)	Students whose qualifications do not fall within (i) and (ii) above	No requirement

**The 3 credit units of the Chinese course will NOT be counted towards the minimum credit units required for graduation and will NOT be included in the calculation of CGPA. However, they will be counted towards the maximum credit units permitted.*

Updated on 7 August 2025