Sample Study Schedule (Normative 4-Year Degree, Common First Year)	BSCCCU4-CSC UGC-Funded	Cohort 2024

GE Requirements (30 credit units)	+	College / School Requirements (6 credit units)	+	Major Requirements, including 9 credit units for Department Required Supporting Courses (85 credit units)	=	Total (121 credit units)

Catalogue Term 2024-25

2024-2025 (1st Year)

Semester A		Units	Semester B		Units	Total
GE1401	University English – GE	3	GE2410	English for Engineering – GE	3	
MA1200 / MA1300 CSpC	Calculus and Basic Linear Algebra I / Enhanced Calculus and Linear Algebra I – GE	3	MA1201/ MA1301 CSpC	Calculus and Basic Linear Algebra II / Enhanced Calculus and Linear Algebra II – GE	3	
CS1302	Introduction to Computer Programming – GE	3	GE1501	Chinese Civilisation - History and Philosophy – GE	3	
PHY1201/ CHEM1300/ CHEM1200	General Physics I / Principles of General Chemistry / Discovery in Biology	3	CS2310	Computer Programming	3	
CS2204	Fundamentals of Internet Applications Development	3	CS2402	Introduction to Computational Probability Modelling	3	
		15			15	30

Summer 2025 (1st Year)

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

2025-2026 (2nd Year)

Semester A		Units	Semester B		Units	Total
CS2611	Seminars on Contemporary Technology I	0	CS2611	Seminars on Contemporary Technology I	1	
CS2115	Computer Organization	3	CS3103	Operating Systems	3	
CS2312	Problem Solving and Programming	3	CS3342	Software Design	3	
CS3201	Computer Networks	3	CS3402	Database Systems	3	
CS3334	Data Structures	3	JC2066 CSpC	IT Professionals: Ethical, Legal and Social Issues – GE	3	
MA2185	Discrete Mathematics	3	DR-1	Department Required Supporting: @CB / ^GE Course - DR (1)	3	
		15			16	31

Summer 2026 (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

2026-2027 (3rd Year)

Semester A		Units	Semester B		Units	Total
CS3505	IT Professional Internship*	6	CS3505	IT Professional Internship*	3	
CS4335	Design & Analysis of Algorithms	3	CS-E	CS Elective (2)	3	
CS-E	CS Elective (1)	3	CS-E	CS Elective (3)	3	
			GE-Area	Gateway Education – GE	3	
		12			12	24

Option 1: take CS3505 (9 credits)

or

Option 2: take CS3000 Professional Career Development Internship (0 credit unit) [minimum internship duration of 160 hours (equivalent to 4 weeks of full-time work)] AND compensate 9 credit units from CS Electives (for option 2: require CGPA 3.2 or above)

Semester A		Units	Semester B		Units	Total
CS-E	CS Elective (+1)	3	CS-E	CS Elective (+1)	3	
CS-E	CS Elective (+1)	3	CS-E	CS Elective (2)	3	
CS4335	Design & Analysis of Algorithms	3	CS-E	CS Elective (3)	3	
CS-E	CS Elective (1)	3	GE-Area	Gateway Education – GE	3	
		12			12	24

Summer 2027 (3ʳᵈ Year)

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

2027-2028 (4ᵗʰ Year)

Semester A		Units	Semester B		Units	Total
CS4514	Project*	3	CS4514	Project*	6	
CS-E	CS Elective (4)	3	CS-E	CS Elective (7)	3	
CS-E	CS Elective (5)	3	CS-E	CS Elective (8)	3	
CS-E	CS Elective (6)	3	GE-Area	Gateway Education – GE	3	
DR-2	Department Required Supporting: @CB / ^GE Course – DR (2)	3				
GE-Area	Gateway Education – GE	3				
		18			15	33

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 24 credit units from the following electives)

Students may choose any of the streams by taking **3** courses of the selected stream and any **5** elective courses from the list. For those who do not want to focus on a selected stream, they can take any **8** elective courses from the list.

Artificial Intelligence Stream : Stream Core
CS4486   Artificial Intelligence
CS4487%   Machine Learning
    Choose one out of the following six courses:
CS3383   AI for Software Engineering
CS4186#   Computer Vision and Image Processing
CS4386   AI Game Programming
CS4489   Optimization Foundations for AI Training
CS4490   Generative AI Essentials and Applications

Data Science Stream: Stream Core
CS3481   Fundamentals of Data Science
CS4480   Data-Intensive Computing
CS4487%   Machine Learning

Cybersecurity Stream : Stream Core
CS4286   Internet Security and E-Commerce Protocols
CS4293   Topics in Cybersecurity
CS4394   Information Security and Management

Multimedia Computing Stream : Stream Core
CS3483   Multimodal Interface Design
CS4182   Computer Graphics
    Choose one out of the following five courses:
CS3189   User-centred Interaction Design
CS4185   Multimedia Technologies and Applications
CS4186#   Computer Vision and Image Processing
CS4187   Computer Vision for Interactivity
CS4188   Virtual Reality

Software Engineering and Project Management Stream : Stream Core
Choose three out of the following four courses:
CS3346   Software Testing and Maintenance
CS3356   Managing Software Projects
CS4348   Software Quality Management
CS4389   Decentralized Applications Development
%, # - Same course

Other Electives :
CS3283   Distributed Systems
CS3382   Web Usability Design and Engineering
CS3391   Advanced Programming
CS4280   Advanced Internet Applications Development
CS4284   Mobile Computing
CS4288   Cryptographic Algorithms and Protocols
CS4295   Mobile Application Programming
CS4296   Cloud Computing
CS4298   iOS Application Development
CS4367   Computer Games Design
CS4381   Advanced Software Design
CS4385   Topics in Software Engineering
CS4485   Information Retrieval
CS4552   Guided Study
MA2172   Applied Statistics for Sciences and Engineering

Remarks:

1.	*	Partial credit units for year-long courses, granted only if completing the whole course.
2.	**Gateway Education (GE) Requirements** (30 credit units)	• 6 credit units in English **GE1401** & **GE2410** • 3 credit units in Chinese Civilization **GE1501** • 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** (6 credit units)	Students of the College of Computing need to earn 6 credit units in fulfilment of the College Requirements. • 3 credit units in **PHY1201/CHEM1300/CHEM1200** (choose one from science areas) • 3 credit units for **CS1302**
4.	**Department Required Supporting Courses (DR)** (9 credit units)	• 3 credit units for **MA2185** • 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 non-credit-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:

   o 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).

   o 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.

   o 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 in October 2025