

Sample Study Schedule under Advanced Standing I

(Subject to Approval)

BSCCCU3-CSC1

Cohort 2025

UGC Funded

(For students holding an Associate Degree/Higher Diploma or equivalent qualifications)

GE Requirements (22 credit units)	+	College / School Requirements All exempted (0 credit unit)	+	Major Requirements, including 3 credit units for Department Required Supporting Courses (77 credit units)	=	Total (99 credit units)
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Catalogue Term 2025-26

2025-2026 (2nd Year)

Semester A			Units	Semester B			Units	Total
CS2613	Seminars on Contemporary Technology		1	CS2613	Seminars on Contemporary Technology		1	
CS2115	Computer Organization		3	CS2312	Problem Solving and Programming		3	
CS2204	Fundamentals of Internet Applications Development		3	CS3103	Operating Systems		3	
CS2310	Computer Programming		3	CS3334	Data Structures		3	
CS3201	Computer Networks		3	CS3342	Software Design		3	
MA2185	Discrete Mathematics		3	CS3402	Database Systems – GE		3	
GE1401	University English – GE		3	CSpC				
GE1601	Whole-Person Development – GE		1	GE2410	English for Engineering – GE		3	
			20				19	39

Summer Term 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	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*	
CS-E	CS Elective (1)		3	CS-E	CS Elective (2)		3	
CS4335	Design & Analysis of Algorithms		3	CS-E	CS Elective (3)		3	
				CS2402	Introduction to Computational Probability Modelling		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)

2026-2027 (3rd Year)

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	
CS-E	CS Elective (1)		3	CS-E	CS Elective (3)		3	
CS4335	Design & Analysis of Algorithms		3	CS2402	Introduction to Computational Probability Modelling		3	
			12				12	24

Summer Term 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*	
GE	Gateway Education – GE		3	GE	Gateway Education – GE		3	
GE	College Specified Courses [^] – GE		3	JC2066	IT Professionals: Ethical, Legal and Social Issues		3	
CSpC								
CS-E	CS Elective (4)		3	CS-E	CS Elective (7)		3	
CS-E	CS Elective (5)		3					
CS-E	CS Elective (6)		3					
			18				15	33

Total Credit Units: 99 (minimum graduation requirement)

Maximum Credit Units: 114 (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 21 credit units from the following electives)

Students may choose any of the streams by taking **3** courses of the selected stream. For those who do not want to focus on a selected stream, they can take any **7** 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 & Image Processing
- CS4386 AI Game Programming
- CS4489 Optimization Foundations for AI Training
- CS4490 Generative AI Essentials and Applications
- CS4493 Natural Language Processing

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 on 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 & Image Processing
- CS4187 Computer Vision for Interactivity
- CS4188 Virtual Reality

Software Engineering and Project Management - 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

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

#, % - same courses

Remarks:

1.	*	Partial credit units for year-long courses, granted only if completing the whole course.
2.	GE	= Gateway Education Requirements: Total 22 credit units including 6 credit units in English (GE1401 & GE2410), 3 credit units in Chinese Civilization (GE1501), 1 credit in Whole-Person Development (GE1601), 6 credit units in Distributional Requirements from the two different areas : 'Arts and Humanities', 'Study of Societies, Social and Business Organisations' and 'Science and Technology', 6 credit units in College Specified Courses CSpC including CS3402 and 3 credit units from a pool of College Specified Courses [^] .
3.	Department Required Supporting Courses (DR)	- 3 credit units for MA2185
4.	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.

[^]College Specified 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
 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 6 August 2025