

**Sample Study Schedule under Advanced Standing I**  
(For students holding an Associate Degree/Higher Diploma or equivalent qualifications)

**BSCCU3-CSC1**  
**UGC-Funded**

**Cohort 2025**

<b>GE Requirements</b> (22 credit units)	+	<b>College / School Requirements</b> All exempted (0 credit unit)	+	<b>Major Requirements, including</b> 3 credit units for Department Required Supporting Courses (77 credit units)	=	<b>Total</b> (99 credit units)
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CS1302, MA1503 and MA1508 are waived for students admitted into Advanced Standing I.

**Catalogue Term 2025-26**

**2025-2026 (2<sup>nd</sup> Year)**

Semester A		Units	Semester B		Units	Total
GE1401	University English – GE	3	GE2410	English for Engineering – GE	3	39
GE1601	Whole-Person Development – GE	1	CS3402 CSpC	Database Systems – GE	3	
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				
		20			19	

**Summer 2026 (2<sup>nd</sup> 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 (3<sup>rd</sup> Year)**

Semester A		Units	Semester B		Units	Total
CS3505	IT Professional Internship*	6	CS3505	IT Professional Internship*	3	24
CS4335	Design & Analysis of Algorithms	3	CS-E	CS Elective (2)	3	
CS-E	CS Elective (1)	3	CS-E	CS Elective (3)	3	
			CS2402	Introduction to Computational Probability Modelling	3	
		12			12	

**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	24
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	CS2402	Introduction to Computational Probability Modelling	3	
		12			12	

**Summer 2027 (3<sup>rd</sup> Year)**

Encourage to participate in Go Global Activities [activities/programmes outside Hong Kong for not less than 4 weeks (28 days)]			
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**2027-2028 (4<sup>th</sup> 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	JC2066	IT Professionals: Ethical, Legal and Social Issues	3	
CS-E	CS Elective (6)	3	GE-Area	Gateway Education – GE	3	
GE	Gateway Education – GE	3				
GE CSpC	College Specified Courses <sup>A</sup> – GE	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 and any **4** elective courses from the list. 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 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.	<b>Gateway Education (GE) Requirements</b> (22 credit units)	<ul style="list-style-type: none"> <li>6 credit units in English <b>GE1401</b> &amp; <b>GE2410</b></li> <li>3 credit units in Chinese Civilization <b>GE1501</b></li> <li>1 credit unit in Whole-Person Development <b>GE1601</b></li> <li>6 credit units in <b>Distributional Requirements</b> from the two different areas: 'Arts and Humanities', 'Study of Societies, Social and Business Organisations' and 'Science and Technology'</li> <li>3 credit units in Database System <b>CS3402</b></li> <li>3 credit units from a pool of <b>College Specified Courses</b><sup>^</sup></li> </ul>
3.	<b>Department Required Supporting Courses</b> (3 credit units)	3 credit units for <b>MA2185</b>
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 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.

**<sup>^</sup>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.