<table>
<tr><td colspan="2">Sample Study Schedule
under <u>Advanced Standing II</u> (Senior-year Entry)
(Subject to Approval)
(For <u>Associate Degree/Higher Diploma</u> graduates
admitted to the senior year)</td><td>BSCCCU2-CSC1   Cohort 2025
UGC Funded</td></tr>
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GE Requirements (12 credit units)	+	College / School Requirements All exempted (0 credit unit)	+	Major Requirements, including 3 credit units for Department Required Supporting Courses (62 credit units)	=	Total (74 credit units)

Catalogue Term 2025-2026

2025-2026 (3rd Year)

Semester A		Units	Semester B		Units	Total
CS2613	Seminars on Contemporary Technology	1	CS2613	Seminars on Contemporary Technology	1	
CS2312	Problem Solving and Programming	3	CS2402	Introduction to Computational Probability Modelling	3	
CS3103	Operating Systems	3	CS3334	Data Structures	3	
CS-E	CS Elective (1)	3	CS3342	Software Design	3	
MA2185	Discrete Mathematics	3	CS-E	CS Elective (2)	3	
GE CSpC	College Specified Course^ – GE	3	CS3402 CSpC	Database Systems - GE	3	
GE Area	Gateway Education – GE	3	GE2410	English for Engineering - GE	3	
		19			19	38

Summer Term 2026 (3rd Year)

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

2026-2027 (4th Year)

Semester A		Units	Semester B		Units	Total
CS3505	IT Professional Internship	6*	CS3505	IT Professional Internship	3*	
CS4514	Project	3*	CS4514	Project	6*	
CS4335	Design & Analysis of Algorithms	3	CS-E	CS Elective (5)	3	
CS-E	CS Elective (3)	3	CS-E	CS Elective (6)	3	
CS-E	CS Elective (4)	3	CS-E	CS Elective (7)	3	
		18			18	36

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 (4th 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	CS4514	Project	6*	
CS4514	Project	3*	CS-E	CS Elective (5)	3	
CS4335	Design & Analysis of Algorithms	3	CS-E	CS Elective (6)	3	
CS-E	CS Elective (3)	3	CS-E	CS Elective (7)	3	
CS-E	CS Elective (4)	3				
		18			18	36

Total Credit Units: 74 (minimum graduation requirement)
Maximum Credit Units: 84 (student may 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 12 credit units, including 3 credit units in English **GE2410** and 3 credit units in **Distributional Requirements** from the three 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 Gateway Education (GE) English course (GE2410).
2. **Chinese Language Requirement**
   It is not required for Advanced Standing II students.

Updated on 7 August 2025