

Sample Study Schedule under Advanced Standing II
(Senior-year Entry; for Associate Degree/Higher Diploma graduates admitted to the senior year)

BSCCU2-CSC1
UGC-Funded

Cohort 2025

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)
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CS1302, MA1503, MA1508, CS2115, CS2204, CS2310, CS3201 and JC2066 are waived for students admitted into Advanced Standing II.

Catalogue Term 2025-26

2025-2026 (3rd Year)

Semester A		Units	Semester B		Units	Total
GE Area	Gateway Education – GE	3	GE2410	English for Engineering - GE	3	
GE CSpC	College Specified Course [^] – GE	3	CS3402 CSpC	Database Systems - GE	3	
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	
		19			19	38

Summer 2026 (3rd Year)

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

2026-2027 (4th Year)

Semester A		Units	Semester B		Units	Total
CS4514	Project*	3	CS4514	Project*	6	
CS3505	IT Professional Internship*	6	CS3505	IT Professional Internship*	3	
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)

Semester A		Units	Semester B		Units	Total
CS4514	Project*	3	CS4514	Project*	6	
CS-E	CS Elective (+1)	3	CS-E	CS Elective (+1)	3	
CS-E	CS Elective (+1)	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 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.	Gateway Education (GE) Requirements (12 credit units)	<ul style="list-style-type: none"> 3 credit units in English GE2410 3 credit units in Distributional Requirements from the three areas: 'Arts and Humanities', 'Study of Societies, Social and Business Organisations' and 'Science and Technology' 3 credit units in Database Systems CS3402 3 credit units in College Specified Courses[^] [CSpC].
3.	Department Required Supporting Courses (DR) (3 credit units)	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 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.

[^]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 in October 2025