

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

**BSCEGU2-CSC Cohort 2019
UGC Funded**

GE Requirements (12 credit units)	+	College / School Requirements All waived (0 credit units)	+	Major Requirements (60 credit units)	=	Total (72 credit units)
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Courses Waived for students admitted with Advanced Standing II

Course Code	Course Title	Units	Course Code	Course Title	Units
PHY1201 / BCH1100/BCH1200 (College Requirement)	General Physics I / Chemistry / Discovery in Biology	6	CS2204	Fundamentals of Internet Applications Development	3
SS3904	Science, Technology & Society for Computing	3	CS2310	Computer Programming	3
CS2115	Computer Organization	3	CS3201	Computer Networks	3

Courses Waived: 21 credit units

Catalogue Term 2019-2020

2019-2020 (3rd Year)

Semester A		Units	Semester B		Units	Total
CS2611	Seminars on Contemporary Technology I	0	CS2611	Seminars on Contemporary Technology I	1	
CS2312	Problem Solving and Programming	3	CS3334	Data Structures	3	
CS3103	Operating Systems	3	CS3342	Software Design	3	
CS-E	CS Elective (1)	3	CS3402	Database Systems	3	
MA2185	Discrete Mathematics	3	CS-E	CS Elective (2)	3	
CSpC	College Specified Courses – GE (1) ^	3	CS2402 (CSpC)	Introduction to Computational Probability Modelling - GE (3)	3	
GE-2	Gateway Education – GE (2)	3	GE2410	English for Engineering - GE (4)	3	
		18			19	37

Summer Term 2020 (3rd Year)

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

2020-2021 (4th Year)

Semester A		Units	Semester B		Units	Total
CS3504	IT Professional Placement	6*	CS3504	IT Professional Placement	6*	
CS4514	Project	3*	CS4514	Project	6*	
CS3343	Software Engineering Practice	3	CS-E	CS Elective (3)	3	
CS4335	Design & Analysis of Algorithms	3	CS-E	CS Elective (4)	3	
EN4262	English Communication Skills for Computing	2				
		17			18	35

Total Credit Units: 72 (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 12 credit units from the following electives)

Students may choose any of the streams by taking **3** courses of the selected stream and any **1** elective course from the list. For those who do not want to focus on a selected stream, they can take any **4** elective courses from the list.

Artificial Intelligence Stream – Stream Core: (effective from Sem A 2019-20)		Other Electives:	
CS4486	Artificial Intelligence	CS3185	Computer Architecture
CS4487#	Machine Learning	CS3283	Distributed Systems
<i>Choose one out of the following two courses:</i>		CS3382	Web Usability Design and Engineering
CS4186%	Computer Vision & Image Processing	CS3391	Advanced Programming
CS4386	AI Game Programming	CS4280	Advanced Internet Applications Development
		CS4284	Mobile Computing
		CS4285	High Speed Multimedia Networks
		CS4288	Cryptographic Algorithms and Protocols
Data Science Stream – Stream Core:		CS4289	Pervasive Computing
CS3481	Fundamentals of Data Science	CS4295	Mobile Application Programming
CS4480	Data-Intensive Computing	CS4296	Cloud Computing
CS4487#	Machine Learning	CS4297	Cloud Robotics and Automation
		CS4298	iOS Application Development
Information Security Stream – Stream Core:		CS4367	Computer Games Design
CS4286	Internet Security and E-Commerce Protocols	CS4381	Advanced Software Design
CS4293	Topics on Cybersecurity	CS4385	Topics in Software Engineering
CS4394	Information Security and Management	CS4482	Advanced Database Systems
		CS4485	Information Retrieval
Multimedia Computing Stream – Stream Core:		CS4552	Guided Study
CS3483	Multimodal Interface Design	EE4940	Digital Information Communications
CS4182	Computer Graphics	IS4501	Information Systems Audit
<i>Choose one out of the following four courses:</i>		MA2172	Applied Statistics for Sciences and Engineering
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:			
<i>Choose three out of the following four courses:</i>			
CS3346	Software Testing and Maintenance		
CS3356	Managing Software Projects		
CS4348	Software Quality Management		
CS4389	Decentralized Applications Development		

#, % - 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 CS2402 "Introduction to Computational Probability Modelling" and 3 credit units from a pool of College Specified Courses.
3.	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
 GE2315 Security and Privacy in the Information Age
 GE2323 Mobile Social Networks: Practices, Challenges, and Beyond
 GE2324 The Art and Science of Data
 GE2338 Internet Applications and Security
 GE2340 Artificial Intelligence – Past, Present, and Future
 CB2100 Introduction to Financial Accounting
 CB2300 Management
 CB2500 Information Management
 CB2601 Marketing

Notes:

- English Language Requirement**
To fulfil the University's English Language Requirement, students should complete the Gateway Education (GE) English course (GE2410).
- Chinese Language Requirement**
It is not required for Advanced Standing II students.

Updated on 27 June 2019