

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

**BSCEGU2-CSC Cohort 2020
UGC Funded**

GE Requirements (12 credit units)	+	College / School Requirements All waived (0 credit unit)	+	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 / CHEM1300 / CHEM1200 (College Requirement)	General Physics I / Principles of General Chemistry / Discovery in Biology	3	CS2204	Fundamentals of Internet Applications Development	3
CS1302	Introduction to Computer Programming	3	CS2310	Computer Programming	3
CS2066	IT Professionals and Society	3	CS3201	Computer Networks	3
CS2115	Computer Organization	3			

Courses Waived: 21 credit units

Catalogue Term 2020-2021

2020-2021 (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 2021 (3rd Year)

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

2021-2022 (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)

CS4486 Artificial Intelligence
CS4487# Machine Learning

Choose one out of the following two courses:

CS4186% Computer Vision & Image Processing
CS4386 AI Game Programming

Data Science Stream – Stream Core:

CS3481 Fundamentals of Data Science
CS4480 Data-Intensive Computing
CS4487# Machine Learning

Information Security 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 four courses:

CS4185 Multimedia Technologies and Applications
CS4186% Computer Vision & Image Processing
CS4187 Computer Vision for Interactivity
CS4188 Virtual Reality

Other Electives:

CS3185 Computer Architecture
CS3283 Distributed Systems
CS3382 Web Usability Design and Engineering
CS3391 Advanced Programming
CS4280 Advanced Internet Applications Development
CS4284 Mobile Computing
CS4285 High Speed Multimedia Networks
CS4288 Cryptographic Algorithms and Protocols
CS4289 Pervasive Computing
CS4295 Mobile Application Programming
CS4296 Cloud Computing
CS4297 Cloud Robotics and Automation
CS4298 iOS Application Development
CS4367 Computer Games Design
CS4381 Advanced Software Design
CS4385 Topics in Software Engineering
CS4482 Advanced Database Systems
CS4485 Information Retrieval
CS4552 Guided Study
MA2172 Applied Statistics for Sciences and Engineering

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

#, % - 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.