

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

**BSCEGU2-CSC Cohort 2021
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 2021-2022

2021-2022 (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 2022 (3rd Year)

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

2022-2023 (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:

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.