

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

**BSCU2-CSC Cohort 2016
UGC Funded**

Courses Waived for students admitted with Advanced Standing II

Course Code	Course Title	Units	Course Code	Course Title	Units
AP1201 / 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 2016-17

2016-2017 (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	GE2326 (CSpC)	Probability in Action: From the Unfinished Game to the Modern World - GE (2)	3	
			GE2410	English for Engineering - GE (3)	3	
		15			19	34

Summer Term 2017 (4th Year)

Summer		Units	Total
CS-E	CS Elective (3)	3	
GE-3	Gateway Education – GE (4)	3	
		6	6

2017-2018 (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 (4)	3	
CS4335	Design & Analysis of Algorithms	3				
EN4262	English Communication Skills for Computing	2				
		17			15	32

Total Credit Units: 72 (12 GE + 60 Major)

Electives: (minimum 12 credit units from the following electives)

Information Security Stream – Stream Core:

CS4286 Internet Security and E-Commerce Protocols
CS4293 Topics on Computer Security
CS4394 Information Security and Management

Multimedia Computing Stream – Stream Core:

CS3483 Multimodal Interface Design
CS4182 Computer Graphics
CS4185 Multimedia Technologies and Applications

Software Engineering and Project Management

Stream - Stream Core:

CS3346 Software Testing and Maintenance
CS3356 Managing Software Projects
CS4348 Software Quality Management

Data Science Stream – Stream Core:

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

Other Electives:

CS3185 Computer Architecture
CS3283 Distributed Systems
CS3382 Web Usability Design and Engineering
CS3391 Advanced Programming
CS4186 Computer Vision & Image Processing
CS4187 Computer Vision for Interactivity
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
CS4386 AI Game Programming

CS4482 Advanced Database Systems
CS4485 Information Retrieval
CS4486 Intelligent Systems
CS4552 Guided Study
EE4940 Digital Information Communications
IS4501 Information Systems Audit
MA2172 Applied Statistics for Sciences and Engineering

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 GE2326 "Probability in Action: From the Unfinished Game to the Modern World" and 3 credit units from a pool of College Specified Courses.

^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
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 1 September 2016