

**Sample Study Schedule  
(Normative 4-Year Degree, Common First Year)**

**BSCEGU4-Cybersecurity Cohort 2025  
UGC Funded**

|                                              |   |                                                           |   |                                                                                                                               |   |                                     |
|----------------------------------------------|---|-----------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------|
| <b>GE Requirements<br/>(30 credit units)</b> | + | <b>College / School Requirements<br/>(8 credit units)</b> | + | <b>Major Requirements, including<br/>11 credit units for Department Required<br/>Supporting Courses<br/>(82 credit units)</b> | = | <b>Total<br/>(120 credit units)</b> |
|----------------------------------------------|---|-----------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------|

**Catalogue Term 2025-26**

**2025-2026 (1<sup>st</sup> Year)**

| Semester A     |                                               |  | Units | Semester B |                                                        |  | Units | Total |
|----------------|-----------------------------------------------|--|-------|------------|--------------------------------------------------------|--|-------|-------|
| CS1302<br>CSpC | Introduction to Computer Programming – GE (1) |  | 3     | GE2410     | English for Engineering – GE (3)                       |  | 3     |       |
| MA1508         | Calculus                                      |  | 4     | MA1503     | Linear Algebra with Applications                       |  | 4     |       |
| GE1401         | University English – GE (2)                   |  | 3     | GE1501     | Chinese Civilisation - History and Philosophy – GE (4) |  | 3     |       |
| CS2117         | Foundation of Cybersecurity                   |  | 3     | CS2402     | Introduction to Computational Probability Modelling    |  | 3     |       |
| CS2115         | Computer Organization                         |  | 3     | CS2310     | Computer Programming                                   |  | 3     |       |
|                |                                               |  | 16    |            |                                                        |  | 16    | 32    |

**Summer Term 2026 (1<sup>st</sup> Year)**

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

**2026-2027 (2<sup>nd</sup> Year)**

| Semester A     |                                         |  | Units | Semester B     |                                                             |  | Units | Total |
|----------------|-----------------------------------------|--|-------|----------------|-------------------------------------------------------------|--|-------|-------|
| CS2612         | Seminars on Contemporary Cybersecurity* |  | 1     | CS2612         | Seminars on Contemporary Cybersecurity*                     |  | 1     |       |
| CS3201         | Computer Networks                       |  | 3     | CS3103         | Operating Systems                                           |  | 3     |       |
| CS3334         | Data Structures                         |  | 3     | CS3104         | Applied Cryptographic Systems                               |  | 3     |       |
| CS3402<br>CSpC | Database Systems – GE (5)               |  | 3     | CS3342         | Software Design                                             |  | 3     |       |
| MA2185         | Discrete Mathematics                    |  | 3     | DR-1           | Department Required Supporting: @CB / ^GE Course - DR (1)   |  | 3     |       |
| GE-6           | Gateway Education – GE (6)              |  | 3     | JC2066<br>CSpC | IT Professionals: Ethical, Legal and Social Issues – GE (7) |  | 3     |       |
|                |                                         |  | 16    |                |                                                             |  | 16    | 32    |

**Summer Term 2027 (2<sup>nd</sup> Year)**

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

**OR**

|      |                            | Units | Total |
|------|----------------------------|-------|-------|
| GE-8 | Gateway Education – GE (8) | 3     |       |
|      |                            | 3     | 3     |

**2027-2028 (3<sup>rd</sup> Year)**

| Semester A |                                 |  | Units | Semester B |                            |  | Units | Total |
|------------|---------------------------------|--|-------|------------|----------------------------|--|-------|-------|
| CS3505     | IT Professional Internship      |  | 6*    | CS3505     | IT Professional Internship |  | 3*    |       |
| CS4101     | Software Security               |  | 3     | CS4293     | Topics in Cybersecurity    |  | 3     |       |
| CS4335     | Design & Analysis of Algorithms |  | 3     | CS-E       | CS Elective (1)            |  | 3     |       |
|            |                                 |  |       | GE-9       | Gateway Education – GE (9) |  | 3     |       |
|            |                                 |  | 12    |            |                            |  | 12    | 24    |

**Summer Term 2028 (3<sup>rd</sup> Year)**

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

**2028-2029 (4<sup>th</sup> Year)**

| Semester A |                                                           |  | Units | Semester B |                             |  | Units | Total |
|------------|-----------------------------------------------------------|--|-------|------------|-----------------------------|--|-------|-------|
| CS4514     | Project                                                   |  | 3*    | CS4514     | Project                     |  | 6*    |       |
| EN4262     | English Communication Skills for Computing                |  | 2     | CS-E       | CS Elective (4)             |  | 3     |       |
| DR-2       | Department Required Supporting: @CB / ^GE Course - DR (2) |  | 3     | CS-E       | CS Elective (5)             |  | 3     |       |
| CS-E       | CS Elective (2)                                           |  | 3     | GE-10      | Gateway Education – GE (10) |  | 3     |       |
| CS-E       | CS Elective (3)                                           |  | 3     |            |                             |  |       |       |
|            |                                                           |  | 14    |            |                             |  | 15    | 29    |

Total Credit Units: 120 (minimum graduation requirement)

Maximum Credit Units: 144 (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 15 credit units from the following electives)

| Students need to choose at least 2 Cybersecurity elective courses and then take any other 3 elective courses from the list. |                                                 |       |              |                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------|--------------|-------------------------------------------------------------------------------------------------------------------------|
| Course Code                                                                                                                 | Course Title                                    | Level | Credit Units | Remarks                                                                                                                 |
| <b>Cybersecurity Electives</b>                                                                                              |                                                 |       |              |                                                                                                                         |
| CS4191                                                                                                                      | Mobile and IoT Security                         | B4    | 3            |                                                                                                                         |
| CS4192                                                                                                                      | Algorithms for Private Data Analytics           | B4    | 3            |                                                                                                                         |
| CS4394                                                                                                                      | Information Security and Management             | B4    | 3            |                                                                                                                         |
| <b>Artificial Intelligence Electives</b>                                                                                    |                                                 |       |              |                                                                                                                         |
| CS4486                                                                                                                      | Artificial Intelligence                         | B4    | 3            |                                                                                                                         |
| CS4487                                                                                                                      | Machine Learning                                | B4    | 3            |                                                                                                                         |
| CS4186                                                                                                                      | Computer Vision and Image Processing            | B4    | 3            |                                                                                                                         |
| <b>Data Science Electives</b>                                                                                               |                                                 |       |              |                                                                                                                         |
| CS3481                                                                                                                      | Fundamentals of Data Science                    | B3    | 3            |                                                                                                                         |
| CS4480                                                                                                                      | Data-Intensive Computing                        | B4    | 3            |                                                                                                                         |
| <b>Software Engineering Electives</b>                                                                                       |                                                 |       |              |                                                                                                                         |
| CS3343                                                                                                                      | Software Engineering Practice                   | B3    | 3            |                                                                                                                         |
| CS3346                                                                                                                      | Software Testing and Maintenance                | B3    | 3            |                                                                                                                         |
| CS3356                                                                                                                      | Managing Software Projects                      | B3    | 3            |                                                                                                                         |
| CS4348                                                                                                                      | Software Quality Management                     | B4    | 3            |                                                                                                                         |
| <b>Other Electives</b>                                                                                                      |                                                 |       |              |                                                                                                                         |
| CS3185                                                                                                                      | Computer Architecture                           | B3    | 3            |                                                                                                                         |
| CS3283                                                                                                                      | Distributed Systems                             | B3    | 3            |                                                                                                                         |
| CS3391                                                                                                                      | Advanced Programming                            | B3    | 3            |                                                                                                                         |
| CS4295                                                                                                                      | Mobile Application Programming                  | B4    | 3            |                                                                                                                         |
| CS4296                                                                                                                      | Cloud Computing                                 | B4    | 3            |                                                                                                                         |
| CS4297                                                                                                                      | Cloud Robotics and Automation                   | B4    | 3            |                                                                                                                         |
| CS4298                                                                                                                      | iOS Application Development                     | B4    | 3            |                                                                                                                         |
| CS4482                                                                                                                      | Advanced Database Systems                       | B4    | 3            |                                                                                                                         |
| CS4552                                                                                                                      | Guided Study                                    | B4    | 3            | A course to fulfil the internship/consultancy project/research project requirement for normative 4-year degree students |
| MA2172                                                                                                                      | Applied Statistics for Sciences and Engineering | B2    | 3            |                                                                                                                         |

**Remarks:**

|    |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | *                                                             | Partial credit units for year-long courses, granted only if completing the whole course.                                                                                                                                                                                                                                                                                                                                                                                                   |
| 2. | Gateway Education (GE) Requirements (30 credit units)         | <ul style="list-style-type: none"> <li>- 6 credit units in English <b>GE1401 &amp; GE2410</b></li> <li>- 3 credit units in Chinese Civilization <b>GE1501</b></li> <li>- 12 credit units in <b>Distributional Requirements</b> with a minimum of 3 credit units from each of the three areas: 'Arts and Humanities', 'Study of Societies, Social and Business Organisations' and 'Science and Technology'</li> <li>- 9 credit units in <b>College Specified Courses [CSpC]</b>.</li> </ul> |
| 3. | College / School Requirements (8 credit units)                | Students of the College of Computing need to earn 8 credit units in fulfillment of the College Requirements. <ul style="list-style-type: none"> <li>- 4 credit units for <b>MA1508 Calculus</b></li> <li>- 4 credit units for <b>MA1503 Linear Algebra with Applications</b></li> </ul>                                                                                                                                                                                                    |
| 4. | Department Required Supporting Courses (DR) (11 credit units) | <ul style="list-style-type: none"> <li>- 5 credit units for <b>MA2185</b> and <b>EN4262</b></li> <li>- 3 credit units from a pool of <b>Department Required Supporting GE courses</b></li> <li>- 3 credit units from a pool of <b>Department Required Supporting CB courses</b></li> </ul>                                                                                                                                                                                                 |
| 5. | 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.                                                                                                                                |

**^Department Required Supporting GE courses (choose any one from the following list)**

GE2313 Global IT Case Studies

GE2324 The Art and Science of Data

**@Department Required Supporting CB courses (choose any one from the following list)**

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 two Gateway Education (GE) English courses (GE1401 & GE2410). Students cannot proceed to take the above GE English courses (GE1401 & GE2410) until completion of the requirements mentioned below:

- ❖ Students scoring below Level 4 in HKDSE English Language OR below Grade D in HKALE AS-level Use of English: Need to take ~LC0200A & LC0200B (6 credit units).
- ❖ Students who demonstrate that they have achieved a grade B or above in their overall course results for LC0200A will achieve 3 credits and also be considered to have satisfied the pre-requisite for entry to the GE English courses without needing to take LC0200B.
- ❖ For students who do not have Hong Kong public examinations results as specified above, the Chan Feng Men-ling Chan Shuk-lin Language Centre (LC) will invite them to sit for an English Placement Test to determine whether they need to take the course LC0200A & B. Students may, instead of taking the Test, provide an alternative English proficiency qualification (e.g. TOFEL or IELTS) for consideration by the LC. A waiver from taking the LC0200A & B may be granted for students who have achieved the required English proficiency. New admitted students should raise the request to LC in the first semester. Requests after the first semester will not be considered.

**~LC0200A & LC0200B 'English for Academic Purposes 1 & 2':**

Assessment: Standard grading (A+....F);

It will NOT count towards the minimum credit requirement for graduation and will NOT be included in the calculation of CGPA. However, they will be counted towards the maximum credit units permitted.

**2. Chinese Language Requirement**

|       |                                                                                                                                 |                                          |
|-------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| (i)   | Students scoring below Level 4 in HKDSE Chinese Language, or below Grade D in HKALE AS-level Chinese Language and Culture       | 3-credit unit Chinese course (CHIN1001)* |
| (ii)  | Students scoring Level 4 or above in HKDSE Chinese Language, or Grade D or above in HKALE AS-level Chinese Language and Culture | No requirement                           |
| (iii) | Students whose qualifications do not fall within (i) and (ii) above                                                             | No requirement                           |

*\*The 3 credit units of the Chinese course will NOT be counted towards the minimum credit units required for graduation and will NOT be included in the calculation of CGPA. However, they will be counted towards the maximum credit units permitted.*

**Updated on 26 Feb 2025**