

Hong Kong Baptist University
Curriculum for Minor Programmes

Minor Programme : Computer Science (*COMP)

| Course Group | Course | Course Title | Unit | Core (C) / Elective (E) |
|--|----------|--|------|----------------------------|
| Computer Science Minor Core Courses (#R-CS-CORE-001) | | | | |
| | COMP1005 | Essence of Computing | 3.00 | C |
| | COMP1007 | Introduction to Python and Its Applications | 3.00 | C |
| | COMP2026 | Problem Solving using Object Oriented Programming | 4.00 | C |
| Computer Science Minor Elective Courses (#R-CS-ELECT-001) | | | | |
| | COMP2006 | Computer Organization | 3.00 | E |
| | COMP2015 | Data Structures and Algorithms | 3.00 | E |
| | COMP2016 | Database Management | 3.00 | E |
| | COMP2017 | Operating Systems | 3.00 | E |
| | COMP3005 | Design and Analysis of Algorithms | 3.00 | E |
| | COMP3015 | Data Communications and Networking | 3.00 | E |
| | COMP3047 | Software Engineering | 4.00 | E |
| | COMP3057 | Introduction to Artificial Intelligence and Machine Learning | 3.00 | E |
| | COMP3065 | Artificial Intelligence Application Development | 3.00 | E |
| | COMP4015 | Artificial Intelligence and Machine Learning | 3.00 | E |
| | COMP4017 | Computer and Network Security | 3.00 | E |
| | COMP4025 | Interactive Computer Graphics | 3.00 | E |
| | COMP4026 | Computer Vision and Pattern Recognition | 3.00 | E |
| | COMP4035 | Database System Implementation | 3.00 | E |
| | COMP4036 | Digital Media Computing and Communications | 3.00 | E |
| | COMP4047 | Internet and World Wide Web | 3.00 | E |
| | COMP4055 | Medical Image Processing and Applications | 3.00 | E |
| | COMP4057 | Distributed and Cloud Computing | 3.00 | E |
| | COMP4066 | Principles of Programming Language | 3.00 | E |
| | COMP4067 | Theory of Computation | 3.00 | E |
| | COMP4097 | Mobile Computing | 3.00 | E |
| | COMP4105 | Web Search Principles and Technology | 3.00 | E |
| | COMP4107 | Software Design, Development and Testing | 3.00 | E |
| | COMP4127 | Information Security | 3.00 | E |
| | COMP4135 | Recommender Systems and Applications | 3.00 | E |
| | COMP4137 | Blockchain Technology and Applications | 3.00 | E |

- Remarks:
1. Students should take 16-17 units of courses to fulfill the Minor requirement, at least one course must be at Level 3 or 4.
 2. Students are required to take the core courses of COMP1005/COMP1007 and COMP2026 from #R-CS-CORE-001. Students of Faculty of Science are required to take an additional 3-unit elective course from #R-CS-ELECT-001 or COMP1007 to replace COMP1005 if it is counted towards the requirement for their major programme.
 3. Non-Science students are required to take 7 units from #R-CS-CORE-001 and 9-10 units from #R-CS-ELECT-001.
 4. Students of Data and Media Communication (DMC) concentration of Journalism Major, COMP4015 can be counted towards the requirement for Minor Programme in Computer Science if it is not counted towards the requirement for the major programmes.

* 4-Year Curriculum