

**Hong Kong Baptist University**  
**Curriculum for Minor Programmes**

**Minor Programme : Computer Science (\*COMP)**

Course Group	Course	Course Title	Unit	Core (C) / Elective (E)
<b>Computer Science Minor Core Courses (#R-CS-CORE-001)</b>				
	COMP1005	Essence of Computing	3.00	C
	COMP1007	Introduction to Python and Its Applications	3.00	C
	COMP2006	Computer Organization	3.00	C
	COMP2007	Object Oriented Programming	3.00	C
	COMP2026	Problem Solving using Object Oriented Programming	4.00	C
<b>Computer Science Minor Elective Courses (#R-CS-ELECT-001)</b>				
	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
	COMP3006	Software Engineering	3.00	E
	COMP3015	Data Communication and Networking	3.00	E
	COMP3047	Software Engineering	4.00	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

- Remarks:
1. Students should take 15-17 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, COMP2006 and COMP2007/COMP2026 from #R-CS-CORE-001. Students of Faculty of Science are required to take an additional 3-unit elective course or COMP1007 to replace COMP1005.
  3. Non-Science students are required to take 9-10 units from #R-CS-CORE-001 and 6-7 units from #R-CS-ELECT-001.
  4. Students either take COMP3006 or COMP3047 in #R-CS-ELECT-001.

\* 4-Year Curriculum