

THE DEGREE OF BACHELOR OF ENGINEERING IN COMPUTER SCIENCE FOR STUDENTS PURSUING THE HKU-THU DUAL DEGREE IN COMPUTER SCIENCE IN COLLABORATION WITH TSINGHUA UNIVERSITY (THU)

Proposed Credit Unit Statement

Students pursuing the HKU-THU Dual Degree in Computer Science are required to complete 288 credits (HKU-equivalent) in HKU and THU, among which 240 credits should satisfy the requirements of HKU BEng(CompSc) degree as set out in the Dual Degree syllabus.

The Computer Science disciplinary courses offered by HKU offer two types of courses, namely introductory courses and advanced courses (projects and internship are covered in the THU part of the curriculum). The majority of the courses are 6-credit professional courses which are taught through lectures, tutorials and laboratory sessions aimed at equipping students with professional skills and knowledge in mathematics and computer science. 120 hours of student learning activities (including both contact hours and all other form of student learning activities) will be the norm for a 6-credit course, and the contact hours and expected learning outcomes for different groups of courses vary according to the learning modes adopted. Most courses are assessed through continuous assessment (combining for 10% to 100%) and written examination (0% – 90%), with a few courses to be assessed through 100% continuous assessment. The two categories of computer science courses are summarized as follows:

Introductory course (6 credits)

These courses aim at providing students with a solid foundation in computer science, mathematics, general engineering, communication skills and complementary studies.

The total contact hours ranging from 39 to 52 hours consists of a combination of lectures (totaling 26 to 39 hours) and tutorials/workshops/laboratory sessions (totaling 13 to 26 hours). The assessment is generally based on problem-solving type assignments, programming assignments, course projects, mid-term/written quizzes and written examination. The written examination is normally 3 hours. The weighting of continuous assessment and examinations are 10% to 100% and 0% to 90% respectively.

The number of and level of assignments, programming tasks, mathematical calculations, course projects and quizzes shall be appropriate for assessing the learning outcomes but in all cases written output shall not exceed 3,000 words.

Advanced course (6 credits)

These courses aim at providing students with in-depth knowledge in a broad range of topics in Computer Science.

The total contact hours ranging from 39 to 52 hours consists of a combination of lectures (totaling 26 to 39 hours) and tutorials/workshops/laboratory sessions (totaling 13 to 26 hours). The assessment is generally based on problem-solving type assignments, programming assignments, course projects, mid-term/written quizzes and written examination. The written examination is normally 3 hours. The weighting of continuous assessment and examinations are both from 30% to 70%.

The number of and level of assignments, programming tasks, mathematical calculations, course projects and quizzes shall be appropriate for assessing the learning outcomes but in all cases written output shall not exceed 3,000 words.

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