## Master of Science (MSc) Program in Information Technology

**Program Director:**

Cunsheng DING, Professor of Computer Science and Engineering

In this new millennium, information technology is the foundation stone for many applications in industry, government and other institutions. To stay ahead professionally, computer engineering and computer science graduates and professionals working in computer-related fields need to engage in continuous learning and upgrading their information technology skills.

The Master of Science (MSc) program in Information Technology is a postgraduate degree program that has been developed to assist and encourage bachelor's degree holders to build on their undergraduate knowledge in information technology.

The program offers postgraduate courses for both full-time and part-time students. The courses are designed for those who wish to obtain broad-based and leading-edge skills in information technology.

### *Program Learning Outcomes*

On successful completion of the program, graduates will be able to:

- Examine and formulate problems in major topics in computer science and information technology drawn from several areas, including applied areas technology;
- Integrate theoretical principles and up-to-date techniques in computer science and information technology to solve problems in the field of information technology;
- Communicate effectively through report writing, literature search, project design and oral presentations;
- Apply the latest computing and software development tools and techniques, especially state-of-the-art techniques that are used in industrial practice; and
- Identify and describe the impact of key factors related to the design, management and performance of large scale software systems.

### *Admission Requirements*

Applicants must possess a bachelor's degree in Computer Engineering or Computer Science, or a related field from a recognized university or tertiary institution.

### *Program Duration*

The program can normally be completed in one year in full-time mode, or two years in part-time mode. All lectures will be delivered at HKUST. Classes will be held on weekday evenings and/or weekends.

### *Program Fee*

The program fee is HK$125,000 for full-time mode, and HK$120,000 for part-time mode. New students admitted with credit transfer are also required to pay the full program fee. If the graduation requirements are not met within three years, students who need to take additional courses or retake any courses for graduation are required to pay additional fee. Students taking additional courses not for graduation at any of time of study are also required to pay additional program fee.

### *Curriculum*

Students are required to complete at least 30 credits of CSIT courses. They can take CSIT 6910 Independent Project repeatedly for a maximum of 6 credits.

Subject to the approval of the Program Director, students may take a maximum of 3 credits of MSBD courses from the MSc Program in Big Data Technology as partial fulfillment of the graduation requirements of the program.

Part-time students may take a maximum of 9 credits in each term.

### *Credit Transfer*

Credit transfer may be granted to students in recognition of studies completed successfully elsewhere. Upon the approval of the Program Director, a maximum of 9 credits can be transferred from other institutions to the program, subject to University regulations governing credit transfer for postgraduate programs.

### *Graduation Requirements*

Students must complete the program with a graduation grade average (GGA) of 2.850 or above as required of all postgraduate students at the University. Students failing to meet the GGA requirement are required to repeat or take additional course(s) even if they attain passing grades for all courses.