PROGRAMME CODE

# P53-C

Department of Computer Science

香港城市大學
City University of Hong Kong

# POSTGRADUATE CERTIFICATE IN
# INFORMATION SECURITY

✓ **Focused curriculum:**
Provide IT professionals with a solid background in the theory and practice of information security.

✓ **Duration:** May graduate within one year part-time.

✓ **Further advancement:**
May apply for transfer or admission to Master of Science in Computer Science (MSCS) or Master of Science in Electronic Commerce (MSEC) programmes with credit transfer.

## PROGRAMME ENTRANCE REQUIREMENTS

A recognised bachelor's degree in a computing discipline such as

- COMPUTER STUDIES
- INFORMATION TECHNOLOGY
- COMPUTER ENGINEERING
- INFORMATION SYSTEMS

**OR**

A recognised bachelor's degree in a related discipline such as

- ELECTRONIC ENGINEERING
- APPLIED MATHEMATICS
- MANUFACTURING ENGINEERING
- QUANTITATIVE ANALYSIS

together with applicable working experience in information technology

Early application is strongly encouraged. Applications normally start in mid-November and are processed on a rolling basis. Review of applications will start before the deadline and finish as soon as all places are filled.

For application deadline, tuition fees and other information, refer to the following website.
https://www.cityu.edu.hk/pg/programme/P53-C

# POSTGRADUATE CERTIFICATE IN INFORMATION SECURITY (P53-C)

**DEPARTMENT OF COMPUTER SCIENCE | CITY UNIVERSITY OF HONG KONG**

## PROGRAMME AIMS

This programme is designed to provide IT professionals with a solid background in the theory and practice of information security.

The student will acquire in-depth understanding of state-of-the-art techniques in the design of secure information systems, encompassing issues in the protection of data during processing, storage and transmission, and the implementation of secure computer systems and networks.

A set of elective courses provide exposure to such topics as information security management, privacy protection and cloud computing.

## CURRICULUM

Each course is worth 3 credit units

**3** credit units from required course **+** **9** credit units from elective courses* *at least 3 credit units of Electives in Group I* **=** **12** total credit units TO GRADUATE

### REQUIRED COURSE — 3 credit units
- Information Security for eCommerce

### ELECTIVE COURSES# — 9 credit units* 
*at least 3 credit units of Electives in Group I

**GROUP I**
- Cloud Computing: Theory and Practice
- Privacy-enhancing Technologies
- Topics on Information Security
- Guided Study

**GROUP II**
- Computer Networks and Internets
- Cryptography: Theory and Practice
- Information Security Technology Management

#Note: Courses offered in each semester are subject to actual student enrolment, staff availability and other considerations.

**STUDY PERIOD** **Part-time only** Normal **1 YEAR** / Maximum **2.5 YEARS**

## FURTHER ADVANCEMENT

Upon graduation, students may further their studies by applying for the Master of Science in Computer Science (MSCS) programme with credit transfer of a maximum of 9 credit units, or the Master of Science in Electronic Commerce (MSEC) programme with credit transfer of at least 3 credit units.

Alternatively, before graduation, students may opt to further their studies by applying for programme transfer to the MSCS or MSEC programme. If programme transfer is approved, up to a maximum of 4 completed courses would be recognized as fulfilling the MSCS requirements or at least 3 credit units for fulfilling the MSEC requirements.

For more details, please refer to **http://www.cs.cityu.edu.hk/academic/pgcinse**