



Department of Computer Science

香港城市大學
City University of Hong Kong

Master of Science in Cybersecurity

Programme
Code

P91



Programme Aims



Enable computer professionals to strengthen and upgrade their theoretical understandings and technical capabilities in cybersecurity



Enhance students' comprehensive knowledge and profound comprehension of specialised cybersecurity domains, encompassing both technical and practical aspects



Prepare graduates to take up research and advanced innovative development work in the industry or pursue higher research studies in cybersecurity

Entrance Requirements



Bachelor's degree in a computing discipline (e.g., Computer Science, IT, Computer Engineering, Information Systems)



Bachelor's degree in a related discipline (e.g., Electronic Engineering, Applied Mathematics, Manufacturing Engineering, Quantitative Analysis) + working experience in information technology



TOEFL score: 79 (for tests taken prior to 21 January 2026) or 4 (for tests taken from 21 January 2026 onwards), OR IELTS overall band score: 6.0, OR CET-6 score: 450

Programme Structure

Core Courses (10 credit units)

- CS5285 Introduction to Cybersecurity
- CS5293 Topics in Information Security and Privacy
- CS5294 Information Security Technology Management
- CS5612 Seminar on Contemporary Cybersecurity

Elective Courses Group I (At least 12 credit units)

- CS5288 Cryptography: Theory and Practice
- CS5291 Cybersecurity Forensics and Incident Response
- CS5292 Cybersecurity Audits and Compliance
- CS6283 Advanced Topics in Internet of Things Security
- CS5295 Network and Cloud Security
- CS6290 Privacy-enhancing Technologies
- CS6284 Advanced Topics in Software Security
- CS5297 Topics in AI Security
- CS5298 Blockchain and Web3.0 Security
- CS6537 Guided Study in Information Security
- CS6531 Project in Cybersecurity
- CS6532 Internship in Cybersecurity
- CS6480 AI Oracles for Multiagent Economic Systems

Elective Courses Group II (At most 9 credit units)

- CS5296 Cloud Computing: Theory and Practice
- CS5222 Computer Networks and Internets
- CS5483 Data Warehousing and Data Mining
- CS5351 Software Engineering
- CS5489 Machine Learning: Algorithms and Applications

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



- »» All the Project and Internship courses are mutually exclusive
- »» Students must fulfill the pre-requisite requirements before taking the Project or Internship courses
- »» Students are required to take at least 12 credit units of the elective courses in Group I and at most 9 credit units of the elective courses in Group II to complete the programme

31
Total credit units

Contact Us

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