UNIVERSITI KEBANGSAAN MALAYSIA
National University of Malaysia

CyberSecurity MALAYSIA

Master of
Cyber Security

in collaboration with CyberSecurity Malaysia

Enquiry

Masters by Module Coordinator

Faculty of Informations Science &Technology
Universiti Kebangsaan Malaysia
43600 Bangi, Selangor

http://www.ftsm.ukm.my

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Online Application

www.ftsm.ukm.my/master-programme-module.php

CENTER FOR CYBER SECURITY
FACULTY OF INFORMATION SCIENCE AND TECHNOLOGY

http://www.ftsm.ukm.my/cybercenter/

Faculty of Information Science and Technology

Universiti Kebangsaan Malaysia offers various computing programmes. Master of Cyber Security is uniquely designed for special individuals and their organizations needs. We team up with CyberSecurity Malaysia to ensure the best knowledge idelivery.

Compulsory Courses

TX6114 Computer Security
TX6124 Network Security
TX6134 Cyber Law and Ethics
TX6144 Information Security Management
TX609C Project

Elective Courses (Choose 3)

Track : Information Security
TTTX6224 Intrusion Detection and Prevention
TTTX6244 Ethical Hacking and Penetration Testing
TTTX6254 Security Audit and Assessment

Track : Digital Forensics
TTTD6104 Fundamentals of Digital Forensics
TTTD6214 Data Recovery and Analysis
TTTD6314 Digital Media Forensic Analysis

Track : Cyber Intelligence
TTTU6434 Big Data Analytics & Management
TTTX6354 Cyber Sentiment Analytics
TTTX6364 Cyber Threat Intelligence

Track : Cyber Security Strategy
TTTX6314 Strategic Information
TTTX6324 Cyber Security in Strategic Studies and
International Relations
TTTX6414 Organization-wide Cyber Security Strategy

Track : Financial Technology Security
endorsed by Standard Chartered

TTTX6334 Digital Banking and Financial Services
TTTX6344 Financial Technology and Risk
*Any one subject from other courses.

Learning Outcomes

At the end of the programme, the graduates are able to:

» Employ basic and advanced knowledge in principles, theories, and scientific methods for effective solutions to cyber security problems

» Protect organisational cyber assets as well as plan, strategise and launch cyber counter-attacks

» Implement a cyber security management standard for organisations

» Supervise, communicate and work in team and obtain entrepreneur standard

» Embrace cyber security ethics and continuously explore knowledge through lifelong learning

Programme Structure

Type of Courses	Course Credit
Compulsory	16 credits (equivalent to 4 courses)
Electives	12 credits (equivalent to 3 courses)
Project	12 credits

WHO CAN APPLY?

General Requirement

01 Bachelor Degree in Computing with a minimun CGPA of 2.75 from Universiti Kebangsaan Malaysia or other universities recognised by UKM Senate

OR

Other relevant professional/vocational qualifications recognised as equivalent to a bachelor degree by UKM Senate with relevant working experience in computing

English Requirement

02 Minimum score : 550 (TOEFL) or 5.5 (IELTS)

*only for Non-Malaysian candidates

Teaching Approach

By considering working IT professionals as our main target group, the courses are designed as a 5-day learning module which is presented in classroom style incorporating active learning, lab activities, discussion and real-world case studies. The course is assessed based on 60% ongoing practical assessment and 40% final examination. Assignments are part of the practical assessment and they must be completed within the subsequent three weeks for full-time students and six weeks for part-time students.

The courses are offered in collaboration with the CyberSecurity Malaysia , designed to accommodate dynamic executives in the field of Computing.

Awards

1. Master of Cyber Security
2. Certificate of Attendance
3. Certificate of Completion (B+ and above)

HRDF CLAIMABLE

endorsed by

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