UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Razak Faculty of Technology and Informatics

Master of Science in Information Security Assurance

MQA/SWA0445

SECURE YOUR CYBERSPACE, SECURE YOUR DIGITAL LIFE.

http://razak.utm.my

facebook.com/utmrazak

@utmrazak

razakfaculty@utm.my

+603-2180 5143/5146/5193/5217

Level 7, Menara Razak,
Universiti Teknologi Malaysia,
Kuala Lumpur, MALAYSIA

Apply online at:
smart.utm.my

Scan this code for more information

PROGRAMME OVERVIEW

Master of Science in Information Security Assurance is a programme that emphasises on the practice of assuring information and managing risks related to the use, processing, storage, and transmission of information. While focused dominantly on information in digital form, the full range of Information Security Assurance encompasses not only digital but also analogue or physical form. Information assurance as a field has grown from the practice of information security, which in turn grew out of practices and procedures of computer security. Information Security Assurance also is best thought of as a superset of information security, integrating people, technology and operations to establish security and protection across multiple layers and dimensions. This programme will be the integration of digital forensic science, security engineering, IT risk management of management systems and standard compliance towards a safe and secured information society against emerging threats.

ENTRY REQUIREMENTS

A Bachelor's Degree in Computer Science, Information Technology, Science, Computer Engineering, Electrical Engineering with good honours from Universiti Teknologi Malaysia or any other institution of higher learning recognised by the Senate; OR

A qualification equivalent to a Bachelor's Degree as per above area with CGPA >= 2.50

OR

A qualification equivalent to a Bachelor's Degree that doest not reach CGPA 2.50 must have work experience (5 years) in the relevant field

Additional requirement for International Applicants

An English Certificate of IELTS with the minimum band of 6.0 OR TOEFL iBT with the minimum score of 60

Selected Courses are in Collaboration with Cybersecurity Malaysia

CyberSecurity MALAYSIA

CORE COURSES

- E-Crime Investigation and Incidence Response Management
- Network Security Management
- Enterprise Information Security Assurance
- Cyber Law and Ethical Issues
- Privacy Risk Management
- Physical Security Management
- Research Methodology
- 1 University General Course

ELECTIVE COURSES

MANAGEMENT TRACK

- Enterprise Architecture
- Data Quality Assurance
- Principles of Business Continuity Management
- Social Media Security
- Principle of Secure Software Design

TECHNICAL TRACK

- Applied Cryptography
- Mobile and Wireless Infrastructure Security
- Biometrics in Information Assurance
- Penetration Testing and Protection Mechanism
- IoT Blockchain

MASTER PROJECT

- Master Project 1
- Master Project 2

CAREER OPPORTUNITIES

Graduates of this programme were active employment in cybersecurity fields. It will prepare you for roles such as:

- Risk Analyst
- Ethical Hacker
- Cryptographer
- Penetration Tester
- IT Business Analyst
- Information Architect
- Vulnerability Researcher
- Chief Security Officer (CSO)
- Information Assurance Analyst
- Computer Forensics Investigator

COURSEWORK (45 CR)

Intake: February and September

Package 1: Weekdays Class
1.5 years (3 semesters)-4 years (8 semesters)
Package 2: Weekend Class
2 years (4 semesters)- 4 years (8 semesters)

"Latest technological developments .."

"UTMRazak had done a splendid job by inculcating the ability in me to learn and build foundation knowledge to graduate as MSc (Information Assurance). The programme included the latest technological developments in IT security, which increased my employment prospects when I entered the job market. The programme structure also gave practical value to the idea of learning, and that helped me develop my self-learning and decision-making skills."

MIZA SHAZWANI KAMARULZAMAN
SAP Consultant
ABeam Consulting (Malaysia) Sdn. Bhd.

"Practical applications..!"

"As an IT administrator directly involved in managing the day-to-day operations of IT in one of the Malaysian government department, the programme has helped me in identifying areas for ICT administration and security improvement. The UTMRazak MSc (Information Assurance) programme focus on practical application rather than a theoretical approach to problems. It is relevant and useful for critical thinking, and for coming up with real-life IT Security solutions."

HURAIZAH ZAKARIA
Principal Assistant Director
Malaysian Public Works Department