

DIPLOMA IN CYBERSECURITY TECHNOLOGY

(MQA/PA13676) (N/482/4/0214)

PROGRAMME DESCRIPTION

This programme provides students with the essential knowledge and skills in designing, managing, and implementing concepts about cybersecurity. This programme will empower the students to meet the demands of the job market regarding computer security. Graduates of cybersecurity specialists can accommodate their organizations to secure computer and network resources

CAREER PROSPECTS

- Cybersecurity Analyst
- Network Security Specialist
- Information Security Officer
- Ethical Hacker/Penetration Tester
- Security Operations Center (SOC) Analyst

DURATION OF STUDIES:

3 Years (9 Semesters)

COMPULSORY SUBJECTS FOR MALAYSIAN STUDENTS

- Philosophy & Current Issue
- Appreciation of Ethics & Civilization
- Bahasa Kebangsaan (A)
- Introduction to Comparative Religion
- Entrepreneurship Skills
- Professional Development
- Thinking Skills
- Integrity & Anti-corruption

*Students need to complete four modules from the above.

COMPULSORY SUBJECTS FOR INTERNATIONAL STUDENTS

- Bahasa Melayu Komunikasi
- Professional Development
- Thinking Skills
- Integrity & Anti-corruption

*Students need to complete three modules from the above.

AWARDING BODY



WHAT SKILLS WILL YOU DEVELOP?

- Graduates will be able to equip themselves with a comprehensive understanding of cybersecurity principles, concepts, and technologies, enabling them to analyse cybersecurity threats and vulnerabilities effectively.
- Graduates will be able to demonstrate hands-on experience in designing, implementing, and managing cybersecurity solutions, policies, and practices that address real-world security challenges in diverse organisational contexts.
- Graduates will be able to identify the linkage between professionalism and human values in the IT management field.

PROGRAMME STRUCTURE

SEMESTER 1

- Introduction To Network
- Operating System
- Principle Of Information Security

SEMESTER 2

- Integrated Language Skills
- Cyber Law and Ethics
- Mathematics for IT Practitioners

SEMESTER 3

- Programming Fundamentals

SEMESTER 4

- Data Communication and Networking
- Discrete Mathematics
- Web Applications Development
- System Analysis and Design

SEMESTER 5

- Network Programming
- E-Commerce Security
- Computer System Architecture
- Introduction to Database

SEMESTER 6

- Managing Information Security
- Work Culture OR Workplace Communication
- Introduction to Multimedia

SEMESTER 7

- Object-Oriented Programming
- Network Security
- Routing And Switching Essentials

SEMESTER 8

- Computer Forensics
- Incident Response And Handling
- Final Year Project

SEMESTER 9

- Industrial Training