

Diploma in IT (CYBER SECURITY)



UNIMY

UNIVERSITY MALAYSIA
OF COMPUTER SCIENCE
& ENGINEERING



POLYTECHNICS
MAURITIUS

OVERVIEW

Are you keen to join the cybersecurity world? Would you like to be a Cybersecurity Engineer? If so, the future is bright!

According to the The National Center for Education Statistics (NCES) the number of new cybersecurity programs has increased but the demand is growing faster as cybersecurity is now considered mission critical in most organizations and hence the demand for security professionals is high.

Being either a school leaver or working professional, the Diploma in Cybersecurity is well tailored to suit both.

The programme grooms students for entry-level cyber security positions by exposing them to the principles and practices of digital and cyber security. Student will be equipped with analytical and technical skills necessary in the areas of network security, software security and digital forensics. Graduates will move on to become cyber security specialists responsible for securing computer and network resources as well as critical and sensitive information.

DURATION

3 Years FULL TIME

ENTRY REQUIREMENTS

3 credits including Maths at SC level or GCE 'O' Level

CAREER & PROGRESSION OPPORTUNITIES

IT Security Analyst, IT Security Engineer, IT Security Consultant, Computer Forensic Examiner, IT Security Officer, Network Security Administrator, Information Security Consultant, Security Penetration Tester, Software Security Specialist, Digital Forensics Scientist, Malware Analyst, Cyber Security Auditor, Computer Forensics Investigator

AWARDING BODY

University Malaysia of Computer Science and Engineering.

COURSE CONTENT

YEAR 1

Introduction to Computing
Cognitive Process and Problem Solving
Problem Solving and Programming
Computing Mathematics I
Computing Mathematics II
Computer Architecture
Systems Analysis and Design
Object-Oriented Programming
Fundamentals
Operating Systems
Networking Fundamentals
Digital and Cyber Laws
Cyberpreneurship

YEAR 2

Database Information Systems
Introduction to Information Security
Internetworking Security
Internetworking Technologies
Secure Software
Information Technology Security
Management and Audit
Risk Management
Internet Server Technologies
Effective Communication – Workplace and
Persuasive Presentation
Issues in Mauritian Economy
Co-Curriculum
Elective 1
Elective 2

YEAR 3

Introduction to Ethical Hacking and
Intrusion Prevention
Forensics in Digital Security
Elective 3
Final Year Project
Practical Training

Foreign Language – Optional

Want to
know more
about this
course?

Call us **460 07 05**
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