



MASTER OF SCIENCE

# (MSc) IN CYBER SECURITY

**DURATION:** 2 Years

\*Accreditation in process • Registered with the Higher Education Commission (HEC)

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## COURSE HIGHLIGHTS

- Careers in cyber security and ethical hacking is in a trending phase now due to the high risk of cyber-attacks
- This programme is designed for students who wish to specialise in Cyber Security and Ethical Hacking
- This programme is designed to meet the demands imposed by the changing corporate needs in Ethical hacking, Network Security, and the concurrent challenges in investigating Cyber Crimes
- This Master programme offers the students a rigorous technical skill on cyber security, intrusion testing of applications and methods in conducting cyber investigation

## MODULES

Network Security and Cryptography (Sem1)  
Information Systems Security (Sem1)  
Business Research Methods (Sem1)  
Information Risks and Control (Sem2)  
Digital Forensics & Investigation 1 (Sem2)  
Ethical Hacking & Tools (Sem2)  
Intrusion Detection Systems (Sem3)  
Digital Forensics & Investigation 2 (Sem3)  
Mobile & Wireless Network Security (Sem4)  
Introduction to Blockchain Technology (Elective)  
Digital Security Landscapes (Elective)  
Industrial Espionage & Cyber Warfare (Elective)  
Cyber Operations and Quality Management (Elective)  
Robotics & Process Automation (Elective)

## CAREER OPPORTUNITIES

**SECURITY ENGINEER**

**INFRASTRUCTURE  
SECURITY ENGINEER**

**SECURITY, HOSTING AND  
APPLICATION ENGINEER**

**SECURITY MANAGER**

**IT AND SECURITY AUDITORS**

**PENETRATION  
TESTING ENGINEER**



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