

MSc in Cybersecurity

60 credits · 4 semesters · 2 years

Proposed postgraduate curriculum framework. Final course titles, credits and research requirements should be confirmed against the institution's approved academic regulations.

Semester 1

Course	Credits
Advanced Network Security	3
Applied Cryptography	2
Security Architecture	3
Cybersecurity Research Methods	3
Operating System & Cloud Security	2
Security Programming	2

Semester 2

Course	Credits
Ethical Hacking & Penetration Testing	3
Digital Forensics	2
Cyber Threat Intelligence	3
Secure Software Engineering	3
Identity & Access Management	2
Security Operations Lab	2

Semester 3

Course	Credits
Incident Response & Digital Investigation	3
Cloud & Container Security	2
Malware Analysis	3
Cyber Risk & Governance	3
Advanced Security Analytics	2
Research Seminar	2

Semester 4

Course	Credits
Cybersecurity Internship / Industry Project	6

Course	Credits
Master's Thesis / Capstone	7
Thesis Defense & Dissemination	2

Curriculum note: This document is a website-ready academic planning framework. Final course codes, credits, prerequisites, electives and graduation requirements must follow the officially approved syllabus and affiliation/regulatory requirements.