

CYBERSECURITY (M.S.)

Requirements

Course	Title	Credits
CISC 5009	Network Essentials ¹	3
CISC 5650	Cybersecurity Essentials ¹	3
CISC 5750	Information Security and Ethics	3
Five elective courses, with the option to pursue an internship		15
One selection from the following: ²		6
Master's Thesis		
CISC 6095 & CISC 6096	Master's Thesis in MSCY I and Master's Thesis in Cybersecurity II	
Capstone and Elective		
CISC 6090	Capstone Project in Cybersecurity	
One additional elective from the selection below		
Total Credits		30

¹ CISC 5009 Network Essentials and CISC 5650 Cybersecurity Essentials must be taken in the first semester.

² Capstone and thesis courses can only be taken during the second or third semester.

Electives

Courses in this group have the CYSM attribute.

Course	Title	Credits
CISC 5550	Cloud Computing	3
CISC 5660	Data Science for Cybersecurity	3
CISC 5710	Introduction to Behavioral and Physical Biometrics	3
CISC 5728	Security of e-Systems and Networks	3
CISC 5770	Intelligence in Cybersecurity	3
CISC 5850	The Social Network	3
CISC 6070	Red Teaming	3
CISC 6091	Cybersecurity Practicum	3
CISC 6600	Cloud Computing Security	3
CISC 6630	Wireless Security	3
CISC 6640	Privacy and Security in Big Data	3
CISC 6650	Forensic Computing	3
CISC 6660	Applied Cryptography	3
CISC 6680	Intrusion Detection and Network Forensics	3
CISC 6690	Cybersecurity in Business	3
CISC 6750	IOT Forensics and Security	3
CISC 6800	Malware Analytics and Software Security	3
CISC 6850	Leadership and Management in Cybersecurity	3
CISC 6860	Cybersecurity: Technology, Policy, and Law	3
CISC 6880	Blockchain Technology	3
CISC 6920	Incident Response and Risk Management	3
CISC 7050	Penetration Testing	3
CISC 8150	Special Topics in Cybersecurity	3