CYBERSECURITY, MS

Campus: NYC, Online

Code	Title	Credits
Bridge Courses		
CS 601C	Computational Statistics	
IS 612	Introduction to Coding	
IS 632	Business Data Communications	
or IS 656	Networks: Routing & Switching	
Core Requirements		
CYB 611	Introduction to Cybersecurity	3
CYB 613	Operating Systems Theory and Administration	3
CYB 621	Information Security Management	3
CYB 623	Network Security and Defense	3
CYB 625	Ethical Hacking and Penetration Testing	3
Concentration Electives		
See concentration electives below.		3-12
Capstone		
CYB 691	Cybersecurity Capstone Project	3
Total Credits:		**30**

Concentration Electives
General Concentration

Students should work with their academic advisor to select four individual courses from the current academic schedule to take as electives, provided the prerequisites have been met. Possible elective courses include:

Code	Title	Credits
CYB 612	Digital Forensics Incident Response	3
CYB 631	Automating Information Security with Python and Shell Scripting	3
CYB 633	Malware Analysis and Reverse Engineering	3
CYB 634	Principles of Identity and Access Management	3
CYB 635	Cloud Architecture and Security	3
CYB 651	Cyber Intelligence Analysis & Modeling	3

Four Courses/12 Credits

Cyber Operation Concentration

Code	Title	Credits
IT 670	Mobile Forensics Investigation	3
CS 608	Algorithms and Computing Theory	3
CYB 633	Malware Analysis and Reverse Engineering	3
Elective Course		3
Total Credits		**12**

Cybersecurity Leadership Concentration

Code	Title	Credits
IS 642	Information Security Planning and Policy: NIST Standards	3
IS 643	Information Security Auditing and Risk Management:ISO Standards	3
IS 644	Business Continuity & Disaster	3

Elective Course	3
Total Credits	**12**