Master of Science in Cyber Security

This program (https://onlinedegrees.und.edu/lpap-mscs/?Access_Code=UND-MSCS-SEO2&utm_campaign=UND-MSCS-SEO2) prepares students who have a strong interest related to the field of cyber security. All of the general requirements for enrollment, participation, and completion of a degree documented in the catalog of the University of North Dakota as appropriate shall be required. Specific requirements over and above the general catalog requirements are as follows:

Admission Requirements

1. A bachelor's degree, graduate degree or equivalent from an accredited institution.
2. A minimum G.P.A. of 2.75 (4.0 scale) is required. Provisional admittance may be obtained for G.P.A.s less than 2.75. This will be determined on a case-by-case basis.

Students will have the option to choose an all course based M.S. program (36 credits) or an M.S. program with a thesis component, in which 6 credits out of the 30 credits will be thesis.

Degree Requirements (36 Credits)

Code	Title	Credits
1. Selected Required courses (18 credits required for all students)		
EE 601	Analytical Foundations of Cyber Security	3
EE 602	Computing Foundations of Cyber Security	3
EECS 994	Capstone	3
Required Track: Cyber Security Analyst		
PSYC 522	Human Factors in Cyber Security	3
CSCI 585	Vulnerability Assessment	3
EE 611	Emerging Threats and Defenses	3
2. Select 2 of the following tracks		
a. Ethical Hacking		
CSCI 487	Penetration Testing	3
CSCI 587	Ethical Hacking	3
CSCI 567	Secure Software Engineering	3
b. Computer Forensics		
EE 740	Intrusion Detection Algorithms	3
CSCI 557	Computer Forensics	3
PSYC 525	Insider Threat Analysis	3
c. Secure Networks		
EE 614	Applied Cryptography	3
EE 640	Communication Protocols: OSI model and TCP/IP Protocol Stack	3
CSCI 589	Application Layer Security	3