

Minor

Cybersecurity Minor

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School of Cybersecurity

This interdisciplinary minor in cybersecurity is focused on the technological, structural, social, and legal frameworks used to secure computer networks and software. The study of cybersecurity combines multiple fields including computer science, engineering, information technology, criminal justice, and philosophy, to name a few. In an effort to promote the security of computer networks, software, and cyber information, an interdisciplinary understanding about technological, legal, philosophical, and structural aspects of cybersecurity is needed. This minor will provide students from different majors the knowledge they need to prevent or respond to cyber incidents they are likely to encounter in their careers.

Requirements

CRJS 310	Cybercriminology: Foundations	3
CS 462	Cybersecurity Fundamentals	3
	or ECE/MSIM 470 Foundations of Cyber Security	
CS 463	Cryptography for Cybersecurity	3
CS 464	Networked Systems Security	3
CS 465	Information Assurance for Cybersecurity	3
CS 466	Principles and Practice of Cyber Defense	3
CYSE 300	Introduction to Cybersecurity	3
CYSE 301	Cybersecurity Techniques and Operations	3
CYSE 406	Cyber Law	3
CYSE 407	Digital Forensics	3
ECE 416	Cyber Defense Fundamentals	3
	or MSIM 416 Cyber Defense Fundamentals	
ECE 419	Cyber Physical System Security	3
	or MSIM 419 Cyber Physical Systems Security	
EET 405	Data Communications and Computer Networks	3
	or EET 412 Wireless Communication Systems	
IT 416	Network Server Configuration and Administration	3
IT 417	Management of Information Security	3
IT 418	Enterprise Information Assurance	3
IT 419	Enterprise Cyber Defense	3
IT 461	Implementing Internet Applications	3
PHIL 355E	Cybersecurity Ethics	3
RMI 443	Enterprise Risk Management	3
	or RMI 412 Property & Liability Insurance Company Operations	

The interdisciplinary minor in cybersecurity requires 12 credit hours of 300/400-level courses selected from at least two different disciplines with a maximum of six credits from any one discipline. For completion of the interdisciplinary minor, students must have a minimum overall cumulative grade point average of 2.00 in all courses specified as a requirement for the minor exclusive of lower-level courses and prerequisite courses. At least six hours of upper-level courses must be taken through courses offered by Old Dominion University. Three credit hours may be in the major, if a major course is listed as an option for the interdisciplinary minor. As such, it will be credited toward both the major and the interdisciplinary minor.