Minor

Cybersecurity Minor

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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

Four courses chosen from:		12
CRJS 310	Cybercriminology: Foundations	
CS 462	Cybersecurity Fundamentals	
or ECE/MSIM 470	Foundations of Cyber Security	
CS 463	Cryptography for Cybersecurity	
CS 464	Networked Systems Security	
CS 465	Information Assurance for Cybersecurity	
CS 466	Principles and Practice of Cyber Defense	
CYSE 300	Introduction to Cybersecurity	
CYSE 301	Cybersecurity Techniques and Operations	
CYSE 406	Cyber Law	
CYSE 407	Digital Forensics	
ECE 416	Cyber Defense Fundamentals	
or MSIM 416	Cyber Defense Fundamentals	
ECE 419	Cyber Physical System Security	
or MSIM 419	Cyber Physical Systems Security	
EET 405	Data Communications and Computer Networks	
or EET 412	Wireless Communication Systems	
IT 416	Network Server Configuration and Administration	
IT 417	Management of Information Security	
IT 418	Enterprise Information Assurance	
IT 419	Enterprise Cyber Defense	
IT 461	Implementing Internet Applications	
PHIL 355E	Cybersecurity Ethics	
RMI 443	Enterprise Risk Management	
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.