

Cybersecurity Minor

Offered by the Cybersecurity Council

Chairs: A B A Elman Bashar and Francis M. Williams

Council: Christopher T. Drever, Laura Dykstra, Zhizhang Shen

The cybersecurity minor addresses the growing need of professionals in the field of cybersecurity. Cybercrime has become a significant global threat and concern of cybersecurity has evolved from a strictly technological challenge to a socio-economic issue. To address the multifaceted aspects of cybercrime and cybersecurity, this minor program aims to equip the students with necessary technical and legal backgrounds. The technology part of the program provides foundation for understanding key issues of protecting digital information, identifying threats and determining protection levels, response to security incidents, examination of pre- and post-incident procedures, and designing consistent, reasonable cyber security system, with appropriate intrusion detection and reporting features. The legal component covers the issues related to identification of common types of fraudulent schemes and the laws that have been enacted and developed specifically for combatting cybercrime. Other topics may include, causes, victimization, legal issues, control strategies, and societal costs regarding the “cybercrime” problem.

Requirements	Credits
CS 2010 Computing Fundamentals	3
CS 3420 Introduction to Cybersecurity	3
CJ 3015 Cybercrime	4
CJ 3400 Homeland Security	3
Complete one of the following	3-4
BU 3240 Information Technology	
CJ 2400 White Collar Crime	
CJ 3000 Criminal Investigation	
CS 2370 Introduction to Programming	
CS 4420 Computer Security	
CS 4520 Cyberethics	