

# CYBERSECURITY POLICY, CERTIFICATE

## Program Description

The certificate prepares individuals to assess the security and risk needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems, and procedures.

## Mission

The Cybersecurity Certificate educates students in theoretical and practical concepts related to security issues and processes. Students develop procedures and processes to protect digital information.

## Program Goals

- Prepare student to assess organizational security policies, plans and procedures and implementations.
- Prepare students to enter specialized careers in cybersecurity.

## Program Specific Information

This certificate may be applied to the M.S. Cybersecurity program.

## Degree or Certificate Earned

Certificate

## Required for Program Completion

- Courses
  - 5
- Credits
  - 15
- GPA
  - 3.0

## Student Learning Outcomes

- Explain Internet structures, enterprise network structures, and consulting services related to network infrastructures
- Assess security gaps in organizational policies and plans.
- Differentiate between cybercrime, cyber espionage, and cyberwar.

## Academic Requirements

Code	Title	Credits
CYB 540	Network Theory	3
CYB 604	The Computer and Internet Fraud	3
CYB 628	Cybercrime, Cyber Warfare and Cyber Espionage	3
CYB 665	Computer Digital Forensics	3
CYB 668	Computer and Network Security	3

## Course Sequence

Course	Title	Credits
<b>First Semester</b>		
CYB 540	Network Theory	3

CYB 628	Cybercrime, Cyber Warfare and Cyber Espionage	3
<b>Credits</b>		<b>6</b>
<b>Second Semester</b>		
CYB 668	Computer and Network Security	3
CYB 604	The Computer and Internet Fraud	3
<b>Credits</b>		<b>6</b>
<b>Third Semester</b>		
CYB 665	Computer Digital Forensics	3
<b>Credits</b>		<b>3</b>
<b>Total Credits</b>		<b>15</b>

## Faculty

Director: Margaret M. McCoe, M.S.  
 Associate Professors: Blum, Redmond, Wang  
 Assistant Professors: McCoe, Yin  
 Lecturers: Casey, McGinley, Monaghan, Walters, Waldron

## Program Contact Information

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## Staff Contact Information

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