

ADDENDUM

Cybersecurity Certificate

The increasing number of cyber threats has made cybersecurity a crucial priority for organizations across all sectors. The demand for skilled cybersecurity professionals is growing rapidly, yet many students lack a structured pathway to gain foundational expertise in this critical area. This certificate program responds to this need by offering essential training in computing, networking, and cybersecurity fundamentals, preparing students for entry-level roles in the field.

By including courses on computing, networking, and key cybersecurity concepts such as governance, policies, cyber threats, and defense mechanisms, the program ensures a fundamental understanding of both theoretical principles and practical applications in the field of cybersecurity. Hands-on activities enable students to apply their knowledge and develop skills that are immediately relevant to real-world cybersecurity challenges.

The certificate program can also serve as a pathway for students interested in the 3-year Applied Bachelor of Science program in Cybersecurity. Students can directly transfer the earned credits to fulfill major course requirements if they choose to pursue this option.

This program will begin in May 2025.

Course	Title	Credits
CS 2010	Computing Fundamentals (TECO)	3
CS 3240	Data Communication and Computer Networks	3
CS 4500	Topics in Computer Science and Technology	3
CY 2020		4
Total Credits		13

New Course:

CY 2020: Cybersecurity Fundamentals (4 credits)

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. Includes technical and managerial responses and an overview of cyber security governance, policy, ethics, and planning.