

Cybersecurity Program AAS Framework

The mission of the Cybersecurity AAS Program at Carl Albert State College is to provide a terminal alternative for students wanting to go directly in to the field of Cybersecurity. Support of the program mission takes place through the introduction of information security, the practical application of networking fundamentals, and an understanding of cybersecurity threats relative to forensics and criminal justice. In addition, the curriculum provides familiarization of procedures used to secure computer systems, which is integral to this degree.

CYS Goals

Provide an introduction of Information Security

Provide practical application of networking fundamentals

Provide an understanding of the relationship of cybersecurity in forensics and criminal justice

Provide a familiarization of procedures to secure computer systems

Program Outcomes & Performance Indicators:

- 1. Upon completion of the program, the student will recognize appropriate information security practices.**
 - A. Identify threats to host computers and networks.
 - B. List common threats and appropriate countermeasures.
 - C. Define the scope of information security from data to physical.
- 2. Upon completion of the program, the student will build a cybersecurity plan and policy.**
 - A. Identify threats based on a vulnerability survey.
 - B. Recognize the role of the CIA Triad in a universal cybersecurity plan and policy.
 - C. List appropriate password construction and authentication methods.
- 3. Upon completion of the program, the student will identify the relationship between forensics and criminal justice.**
 - A. Define the relationship between forensics investigations capabilities and criminal justice constraints.
 - B. Construct a file inventory and report of a forensic investigation.
 - C. Give examples of privacy limitations in cybersecurity.