

Cybersecurity

Technical Certificate

This technical certificate program prepares the students for employment as Information Security Managers; Network Security Professionals; Security Penetration Testing Professionals; and Systems Security Practitioners. The content includes, but is not limited to, the selection and deployment of various network security appliances such as firewalls, proxy servers, intrusion detection systems, intrusion prevention systems, and adaptive security appliances. Additionally, the content includes the selection and deployment of various propriety and/or open-source network penetration testing tools.

Program Outcomes:

- Carry out procedures for installing, upgrading, securing, and optimizing operating systems and computer network equipment
- Identify the causes of networking problems, using diagnostic testing software and equipment
- Audit organizational preparedness capabilities in responding to cyber attacks.
- Defend an enterprise network against Cyber threats and attacks

Course	Title	Credits
CET 2178C	Computer Hardware	3
CNT 2417C	Identity Security	3
CET 2486C	Local Area Networks	3
CET 2660C	Linux Networking and Security	3
CET 2792C	Microsoft Windows Server Network	3
CET 1610C	Cisco Router Technology	3
CET 2830C	Information Security	3
CET 2890C	Network Infrastructure Security	3
CET 2892C	Ethical Hacking	3
CET 2894C	Projects in Cybersecurity	3
	Total Certificate Credits	30



Students are encouraged to pursue the following industry certification(s) upon the completion of the Cybersecurity technical certificate program:

