Eastern WV Community & Technical College
Master Course Record

Course Prefix and Number: CIS 197
Course Title: Introduction to Cybersecurity
Recommended Transcript Title: Introduction to Cybersecurity
Date Approved/Revised: 4/27/20

Credit Hours: 3
 Contact hours per week (Based on 15 week term):
   Lecture: 3
   Lab:

Prerequisite: None   **Corequisite:** None   **Pre/Corequisite:** None
Grading Mode: Letter Grade
This course introduces students to basic practices and concepts of cybersecurity. The course broadens the students' awareness of network security and helps them to make decisions that will result in better defense of networks.
Course Outcomes: 1. Describe computer security basics regarding defense, planning, attacks, polices, control access, monitoring, policies, procedures and awareness   2. Describe physical threats, device and network protection, recon and denial, spoofing, firewalls, VPN, web threat protection, network vulnerability, threats and protections, wireless attacks, remote access and authentication.   3. Explain malware protection, password attacks, server security, mobile device management,   4. Explain access control, authentication, authorization, web application attacks, application development security, Linux user security, hardening authentication, data management, cryptography and encryption, data transmission security data loss prevention and backup and restore.
Implementation Cycle: Spring

Role in College Curriculum: (Check all that apply)
   General Education Core (Specify category)
 X Technical Core: AAS IT
 X Restricted Elective: CAS IT
   General Elective
   Workforce Education
   Other (Please specify)

Course Fee: Yes
Instructor's Qualifications: Master's degree with 18 graduate hours in IT, CIS or bachelor's degree in IT or CIS and two years of industry experience.
Expanded Course Description: This is a hands-on course using simulated computer environments.

Prepared by: Seyed Mirkhani, Division Chair for Business, Computer and Information Technology, 4/06/20

Approved Per LOT Minutes

Dean of Teaching and Learning   Date