

**Eastern WV Community & Technical College
Master Course Record**

Course Prefix and Number IT 284
Course Title: Cyber Defense
Recommended Transcript Title: Cyber Defense
Date Approved/Revised:
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
Catalog Description: This course is the study of how to prevent, detect and combat cyber threats by continuously monitoring and optimizing networks and devices.
Course outcomes: <ol style="list-style-type: none"> 1. Describe security operations and monitoring tools and methods 2. Explain incident response procedures 3. Identify threats and vulnerabilities and effective mitigation strategies for them 4. Explain how to apply system hardening and control procedures to improve security
Implementation Cycle: Fall
Role in College Curriculum: (Check all that apply) <input type="checkbox"/> General Education Core (Specify category) <input type="checkbox"/> Technical Core <input checked="" type="checkbox"/> Restricted Elective AAS and CAS in IT <input type="checkbox"/> General Elective <input type="checkbox"/> Workforce Education <input type="checkbox"/> Other (Please specify)
Course Fee: None
Instructor's Qualifications: Master's degree with 18 graduate hours in IT or Bachelor's degree in IT and two years of IT experience
Expanded Course Description: Tutorial labs and other hands-on activities as they relate to Cyber Security are included.

Prepared by: Seyed Mirkhani,
 Division Chair for Business Computer and Information Technology 05/03/2021

 Name, Title Date

Approved Per LOT Minutes: Curtis Hakala 05/18/2021

 Dean of Teaching and Learning Date

Course Number & Title: IT 284 – Cyber Defense
 Date Prepared/Revised: 5/03/21
 Date Course Approved by Curriculum Committee: 5/13/21
 Date Course Approved by LOT: 5/18/21