Certified Ethical Hacker Exam Prep

UWF Florida Cybersecurity Training Program
Offered by the University of West Florida Center for Cybersecurity

Course Overview

Course / Cyber Skills Exercise Dates: April 29 - June 28, 2024

Duration: 8 weeks + exam week

Estimated Time Commitment: 20 hours per week

Instructional Hours: 40 contact hours

Delivery Format: Asynchronous online with weekly optional zoom help sessions

Target Audience: IT and Cybersecurity practitioners with experience as an analyst, administrator, auditor, or similar position in an area of cybersecurity.

Required Prerequisites / Background: A minimum of 2 years IT security experience

CEUs: 4, **CPEs:** 48

Course Instructor(s):

Instructor	Email
Elizabeth Rasnick	erasnick@uwf.edu
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Course Description

This course uses the EC Council exam preparation resources to equip learners with the knowledge and skills needed to sit for the Certified Ethical Hacker certification exam. Exercises on the Florida Cyber Range are included to further strengthen learners abilities. The course contains 20 learning modules.

Module 01: Introduction to Ethical Hacking	Module 11: Session Hijacking
Module 02: Footprinting and Reconnaissance	Module 12: Evading IDS, Firewalls, and Honeypots
Module 03: Scanning Networks	Module 13: Hacking Web Services
Module 04: Enumeration	Module 14: Hacking Web Applications
Module 05: Vulnerability Analysis	Module 15: SQL Injection

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Module 06: System Hacking	Module 16: Hacking Wireless Networks
Module 07: Malware Threats	Module 17: Hacking Mobile Platforms
Module 08: Sniffing	Module 18: IoT and OT Hacking
Module 09: Social Engineering	Module 19: Cloud Computing
Module 10: Denial-of-Service	Module 20: Cryptography

NIST NICE Cybersecurity Workforce Framework Mapping

The course prepares for the following cybersecurity work roles as defined by the NICE Cybersecurity Workforce Framework.

Cybersecurity Work Roles and Categories:
- Systems Security Analyst (Operate and Maintain)
- Cyber Defense Analyst (Protect and Defend)
- Vulnerability Assessment Analyst (Protect and Defend)
- Information Systems Security Manager (Oversee and Govern)
- Warning Analyst (Analyze)

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