



Secure Coding

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

Course Overview

Course / Cyber Skills Exercise Dates: Oct 21– Nov 1, 2024

Duration: 14 days

Estimated Time Commitment: 14 hours per week

Instructional Hours: 15 contact hours

Delivery Format: Asynchronous online (courses)

Target Audience: Courses: IT and Cybersecurity practitioners.

Required Prerequisites / Background: Participants from any background is welcome, some prior knowledge of Cyber Security and coding useful but not essential

CEUs: 1.5, **CPEs:** 18

Course Instructor(s):

Instructor	Email
Stephen Hopkins, CISSP	shopkins@uwf.edu

Course Description

Desktop, web-based, and mobile device applications leverage the local device and the internet to create, modify, update, and delete data. Security flaws in the software development process provides vulnerabilities which attacks can leverage to cause confidentiality, integrity, and availability issues. This course covers secure software development including methodologies and resources to raise the level of software security. The course includes discussions on the OWASP top ten issues with internet integrated applications. This course uses a combination of lectures, discussions, and activities. The course will provide examples which provide the basis for firsthand practice opportunities.



NIST NICE Cybersecurity Workforce Framework Mapping

The course prepares for the following cybersecurity work roles as defined by the NICE Cybersecurity Workforce Framework. NIST's Special Publication 800-181, National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework available at <https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-181r1.pdf>.

Cybersecurity Work Roles and Categories:

Lifecycle Phase	Work Role
Design	SP-ARC-002 Security Architect
Build	SP-DEV-001 Software Developer
Deploy	OM-NET-001 Network Operations Specialist
Operate	OM-STS-001 Technical Support Specialist
Maintain	OM-DTA-001 Database Administrator
Decommission	OV-LGA-001 Cyber Legal Advisor