



Secure Coding Battle Path

Effective training is critical to any security professional’s success. With RangeForce’s Secure Coding Battle Path, you’ll have quick access to a multiweek training program designed to develop your security skills.

This training takes place in a highly realistic cloud-based cyber range, featuring real IT infrastructure, real security tools, and real cyberattacks. As part of the Battle Path, you’ll complete training exercises and related challenges. Once you’ve finished the Battle Path, you’ll receive a RangeForce Badge to validate and promote your achievements.

Whether you’re just beginning your career in cybersecurity or are mastering new skills needed to advance it, each path provides impactful hands-on training to take your career to the next level. Purchase Battle Paths together with a Battle Skills license or individually to match your specific training goals.

 info@rangeforce.com

 (877) 716-4342

 rangeforce.com

Battle Path Overview

Course 1

- ✓ Identify Security Requirements and Expectations
- ✓ Identify Factors That Undermine Software Security
- ✓ Find Vulnerabilities in Your Software
- ✓ Cracking a Password Hash
- ✓ Gather Intelligence on Vulnerabilities and Exploits
- ✓ Fixing a Password Hash Vulnerability
- ✓ Identifying Vulnerabilities in an Application

Course 2

- ✓ Preventing Software Defects
- ✓ Handle Vulnerabilities Due to Human Factors
- ✓ Handle Vulnerabilities Due to Process Shortcomings
- ✓ Assessing Application Functionality
- ✓ Testing Attack Patterns
- ✓ Examining Source Code and Dependencies

Course 3

- ✓ General Principles for Secure Design
- ✓ Threat Modeling
- ✓ Identifying and Ranking Threats
- ✓ Identifying Countermeasures to Threats
- ✓ OWASP Threat Dragon
- ✓ Microsoft Threat Modeling Tool

Course 4

- ✓ Common General Programming Errors
- ✓ Buffer Overflow
- ✓ Vulnerability Prevention Guidelines
- ✓ Finding Common Web Vulnerabilities
- ✓ Prevent Privacy Vulnerabilities

Course 5

- ✓ Limiting Access
- ✓ Bypassing Authentication and Authorization
- ✓ Protect Data in Transit and at Rest
- ✓ Implementing Encryption
- ✓ Secure Error Handling and Logging
- ✓ Practical Secure Logging

Course 6

- ✓ Security Testing
- ✓ Manual Code Review
- ✓ Static and Dynamic Code Analysis
- ✓ Linting Code
- ✓ Automated Testing
- ✓ Testing with OWASP ZAP

Course 7

- ✓ Application Monitoring and Logging
- ✓ Implementing Application Logging
- ✓ Application Maintenance