Course Content

Course Description:
In this course, you will cover the tools an IT engineer needs to review an Information System. You will learn the importance of vulnerability assessments and how they are used to prevent serious cyber break-ins. Lessons include understanding malware and viruses and how they can infiltrate an organization's network. After you take this course, you will be able to assess a company's security posture and perform a basic vulnerability test. Plus, you will be able to generate reports to guide new security implementation.

Course Objectives:
Upon successful completion of this course students will be able to:
- Competently take the C)VA exam

Prerequisites:
- Basic Networking Understanding

Target Audience:
- Information System Owners
- Analysts
- Ethical Hackers
- ISSOs
- IT Engineers
- Cyber Security Managers

Topics:

Lesson 1: Why Vulnerability Assessment
- What is a Vulnerability Assessment?
- Examination
- Benefits of a Vulnerability Assessment
- What are Vulnerabilities?
- Compliance and Project Scoping
- The Project Overview Statement
- Assessing Current Network Concerns
- Network Vulnerability Assessment Methodology
- Risk Management
- What is the Value of an Asset?
- Types of Policy

Lesson 2: Vulnerability Types
- Vulnerability Severity and Critical

Lesson 3: Vulnerabilities
- Information Leaks
- Denial of Service and Best Practices

Lesson 4: Introduction to Patch Management
- What is Patch Management?
- Different Types of Patches
- Why Patch Management is Necessary
- Patch Management Process

Lesson 5: Patch Management Program Challenges
- Timing, Prioritization, and Testing
- Patch Management Configuration
- Alternative Host Architectures
- Other Challenges

Lesson 6: Patch Management Technologies
- Components and Architecture
- Security Capabilities
- Management Capabilities

Lesson 7: Vulnerability Assessment Tools of the Trade
- Types of Vulnerability Scanners
- Cyber Vulnerability Assessment Tools

Lesson 8: Metrics
- Vulnerability Severity
- Reportable Vulnerabilities
- Readability Factor
- Tool Output and Data Provided
- Compliance Audits

Accreditations:

Register for this class by visiting us at:
www.tcworkshop.com or calling us at 800-639-3535