Certified Security Analyst (ECSA)

Course Overview

The ECSA penetration testing course provides you with a real world hands-on penetration testing experience and is a globally accepted hacking and penetration testing class available that covers the testing of modern infrastructures, operating systems and application environments while teaching the students how to document and write a penetration testing report.

The ECSA pentest program takes the tools and techniques you learned in the Certified Ethical Hacker course (CEH) and enhances your ability into full exploitation by teaching you how to apply the skills learned in the CEH by utilizing EC-Council's published penetration testing methodology. It focuses on pentesting methodology with an emphasis on hands-on learning.

Prerequisites

Certified Ethical Hacker (CEH v10) certification is not required but strongly recommended as a prerequisite to attending this course.

Target Audience

- Incident Response
- Security Analyst
- Intelligence Analyst
- Cyber Watch Analyst
- Security Program Analyst
- SOC Analyst - Tier 1

Course Objectives

- Network Penetration Testing
- Identify security issues in network design and implementation
- Web Application Penetration Testing
- Detect security issues in web applications that exists due to insecure design and development practices
- Social Engineering Penetration Testing
- Identify employees that do not properly authenticate, follow, validate, handle, the processes and technology
- Wireless Penetration Testing
- Identify misconfigurations in organization's wireless infrastructure including WLAN, Mobile Cloud Penetration Testing
- Determine security issues in organization's cloud infrastructure
- Database Penetration Testing
- Identify security issues in the configuration of database server and their instances

Duration

5 Days

Certifications

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Course Outline

- **Module 00:** Penetration Testing Essential Concepts (Self-Study)
- **Module 01:** Introduction to Penetration Testing and Methodologies
- **Module 02:** Penetration Testing Scoping and Engagement Methodology
- **Module 03:** Open-Source Intelligence (OSINT) Methodology
- **Module 04:** Social Engineering Penetration Testing Methodology
- **Module 05:** Network Penetration Testing Methodology – External
- **Module 06:** Network Penetration Testing Methodology – Internal
- **Module 07:** Network Penetration Testing Methodology – Perimeter Devices
- **Module 08:** Web Application Penetration Testing Methodology
- **Module 09:** Database Penetration Testing Methodology
- **Module 10:** Wireless Penetration Testing Methodology
- **Module 11:** Cloud Penetration Testing Methodology
- **Module 12:** Report Writing and Post Testing Actions

Intended Audience

- Ethical Hackers
- Penetration Testers
- Network server administrators
- Firewall Administrators
- Security Testers
- System Administrators and Risk Assessment professionals