

Ethical Hacking Essentials

Turn your students into Black Hat Protectors

One of the most important characteristics a cyber professional can have is the ability to think like a Black Hat hacker. Much like detectives and criminals, understanding your target is the key solving the crime, or in this case, preventing it. It's as much about researching, analyzing, and searching for security vulnerabilities as it is about anticipating them.

With digital devices across the globe falling victim to systematic rampant hacking, it's no wonder why organizations are looking for qualified ethical hackers to join their defenses. New professionals with the necessary skills and capabilities in ethical hacking are among the most sought-after candidates for security positions across all industries.

Introducing Cybint's advanced [Ethical Hacking Essentials \(EHEC\)](#) program developed by retired Israeli Defense Forces personnel, former government officials, as well as seasoned educational and industry experts. The EHEC program, based on the NICE Framework, is designed to train students on the skills to help organizations take preemptive measures against malicious cyberattacks by exploiting the system themselves, while staying within legal limits.

Learning about the methods hackers use to infiltrate systems will help your students to identify and resolve issues before they become dangerous. The EHEC program is based on a micro-learning concept with 20 hours of self-paced, interactive modules and labs. Students will gain the following:

- Knowledge of cyber threats and vulnerabilities
- Ability to conduct vulnerability scans
- Ability to Recognize weakness in security systems
- Skills in writing HTML and JavaScript code
- Strong organization skills and forward thinking
- Teamwork and collaboration experience



ANALYZE



COLLECT & OPERATE



INVESTIGATE



PROTECT & DEFEND

Ethical Hacking Essentials Curriculum

MODULE 1: INTRODUCTION TO ETHICAL HACKING

- Introduction to Ethical Hacking and Penetration Testing
- The Kill Chain
- Introduction to Ethical Hacking - Quiz
- Intelligence Gathering Techniques
- Google Ethical Hacking
- NMAP
- NMAP - Quiz
- NMAP - Hands-On Lab

MODULE 2: WEB APPLICATION - CROSS SITE SCRIPTING

- Introduction to HTML
- Introduction to HTML - Quiz
- Introduction to JavaScript
- Introduction to JavaScript - Quiz
- Cross Site Scripting - Introduction
- Cross Site Scripting - Hands-On Lab

MODULE 3: WEB APPLICATIONS - SQL INJECTION EXPOSED

- SQL Injection - Introduction
- Databases and Relational Databases - Review
- MySQL - Implementation of Relational Database - Review
- SQL - Structured Query Language - Review
- Databases, SQL, MySQL - Hands-On Lab - Review
- Databases, SQL, MySQL - Quiz - Review
- SQL Injection
- SQL Injection - Lab Intro
- SQL Injection - Hands-On Lab
- SQL Map

MODULE 4: SYSTEM EXPLOITS AND METASPLOIT

- Introduction to Metasploit
- Client Side Attacks and Reverse Shell
- Metasploit - Hands-On Lab