

# Certified Ethical Hacker (CEH) Version 11 (ECC)

## Security concepts, tools, and best-practice frameworks

A practical, student-friendly outline covering cEH v11 Foundations Course Introduction, cEH v11 Introduction To Networking, cEH v11 Lan Components, ...

### MODULES

**20**

### LESSONS

**114**

### FORMAT

Self-paced

## Module Breakdown

<p><b>MODULE 1</b></p> <p><b>CEH v11 Foundations Course Introduction</b></p> <ul style="list-style-type: none"><li>1.1 About this course: CEH Foundations</li><li>1.2 About the Instructor</li></ul>	<p><b>MODULE 2</b></p> <p><b>CEH v11 Introduction To Networking</b></p> <ul style="list-style-type: none"><li>2.1 Networking Overview</li><li>2.2 Network Scope</li><li>2.3 Network Addressing</li><li>2.4 Activity - Examining Network Addressing</li></ul>
<p><b>MODULE 3</b></p> <p><b>CEH v11 Lan Components</b></p> <ul style="list-style-type: none"><li>3.1 Protocols, Ports, Sockets</li><li>3.2 Network Topologies</li><li>3.3 LAN Devices</li><li>3.4 LAN Devices Part 2</li><li>3.5 VLANs</li><li>3.6 Activity - Examining Ports and Sockets</li><li>3.7 Activity - Examining Switches and VLANs</li></ul>	<p><b>MODULE 4</b></p> <p><b>CEH v11 Routing and Network Access</b></p> <ul style="list-style-type: none"><li>4.1 Routers</li><li>4.2 Layer 3 Switches</li><li>4.3 Modems and Remote Access</li><li>4.4 Firewalls and Proxies</li><li>4.5 Activity - Examining Routing</li><li>4.6 Activity - Examining VLAN Routing</li><li>4.7 Activity - Examining Firewall Rules</li></ul>

## Module Breakdown (continued)

<p><b>MODULE 5</b></p> <p><b>CEH v11 Intrusion Detection and Network Layers</b></p> <ul style="list-style-type: none"><li>5.1 IDS and IPS</li><li>5.2 OSI Model</li><li>5.3 TCP-IP</li><li>5.4 Activity - Examining Network Layers</li></ul>	<p><b>MODULE 6</b></p> <p><b>CEH v11 Networking Protocols and Addressing</b></p> <ul style="list-style-type: none"><li>6.1 Layer 4 Protocols</li><li>6.2 Layer 3 Protocols</li><li>6.3 Layer 2 Protocols</li><li>6.4 IP Addressing</li><li>6.5 Subnetting</li><li>6.6 DHCP</li><li>6.7 Activity - Examining TCP</li><li>6.8 Activity - Examining UDP</li><li>6.9 Activity - Examining IP</li><li>6.10 Activity - Examining ICMP</li><li>6.11 Activity - Examining ARP</li></ul>
<p><b>MODULE 7</b></p> <p><b>CEH v11 Network Services</b></p> <ul style="list-style-type: none"><li>7.1 DNS</li><li>7.2 DNS Records</li><li>7.3 NTP</li><li>7.4 Authentication</li><li>7.5 Biometrics</li><li>7.6 Activity - Examining DNS</li><li>7.7 Activity - Examining DNS Records</li></ul>	<p><b>MODULE 8</b></p> <p><b>CEH v11 Access Control</b></p> <ul style="list-style-type: none"><li>8.1 Local Authentication</li><li>8.2 Directory Service Authentication</li><li>8.3 Extending Authentication</li><li>8.4 Authorization</li><li>8.5 Activity - Testing Access Control</li></ul>
<p><b>MODULE 9</b></p> <p><b>CEH v11 Intro to Linux</b></p> <ul style="list-style-type: none"><li>9.1 Linux Overview</li><li>9.2 Linux File System</li><li>9.3 Linux Core Commands</li><li>9.4 Linux Search and Read Commands</li><li>9.5 Activity - Exploring Linux</li><li>9.6 Activity - Using Linux Core Commands</li><li>9.7 Activity - Using Linux Search Commands</li><li>9.8 Activity - Using Linux Read Commands</li></ul>	<p><b>MODULE 10</b></p> <p><b>CEH v11 Configuring Linux</b></p> <ul style="list-style-type: none"><li>10.1 Linux File Permissions</li><li>10.2 Linux Special Permissions</li><li>10.3 Linux Configuration</li><li>10.4 Linux Packages</li><li>10.5 Linux User Management</li></ul>
<p><b>MODULE 11</b></p> <p><b>CEH v11 Practicing Linux Configuration</b></p> <ul style="list-style-type: none"><li>11.1 Activity - Setting Linux Permissions</li><li>11.2 Activity - Setting Linux Special Permissions</li><li>11.3 Activity - Managing Packages in Kali Linux</li><li>11.4 Activity - Managing Users and Groups in Linux</li></ul>	<p><b>MODULE 12</b></p> <p><b>CEH v11 Managing Linux</b></p> <ul style="list-style-type: none"><li>12.1 Linux Job Scheduling</li><li>12.2 Linux File, Directory, and Download Commands</li><li>12.3 Linux System Commands</li><li>12.4 Linux Network Management</li><li>12.5 Linux Firewall</li></ul>

## Module Breakdown (continued)

<p><b>MODULE 13</b></p> <p><b>CEH v11 Practicing Linux Management</b></p> <p>13.1 Activity - Scheduling Tasks in Linux            13.2 Activity - Using Linux File, Directory, and Download Commands            13.3 Activity - Using Linux Edit and Archive Commands            13.4 Activity - Compiling Malicious Code            13.5 Activity - Using Linux Process and System Commands            13.6 Activity - Using Linux Disk, Hardware, and Network Commands</p>	<p><b>MODULE 14</b></p> <p><b>CEH v11 Intro to Windows</b></p> <p>14.1 Windows Overview            14.2 Windows Registry            14.3 Windows Security</p>
<p><b>MODULE 15</b></p> <p><b>CEH v11 Windows Commands</b></p> <p>15.1 Windows Commands            15.2 Windows Admin Commands            15.3 Windows Network Commands            15.4 Windows Run Line Commands            15.5 Windows PowerShell</p>	<p><b>MODULE 16</b></p> <p><b>CEH v11 Practicing Windows Commands</b></p> <p>16.1 Activity - Using Windows Built-in Commands            16.2 Activity - Using Windows Task Commands            16.3 Activity - Using Windows Admin Commands            16.4 Activity - Using Windows Network Commands            16.5 Activity - Using Windows PowerShell            16.6 Networking and OS Penetration Testing            16.7 Review</p>
<p><b>MODULE 17</b></p> <p><b>CEH v11 Intro to Hacking</b></p> <p>17.1 Information Security Overview            17.2 Hacking Concepts            17.3 Ethical Hacking Concepts            17.4 Penetration Testing            17.5 Penetration Testing Part 2            17.6 Activity - Performing a Static Code Review</p>	<p><b>MODULE 18</b></p> <p><b>CEH v11 Information Security</b></p> <p>18.1 Cyber Kill Chain Concepts            18.2 Activity - Performing Weaponization            18.3 Information Security            18.4 Security Policies            18.5 Security Controls            18.6 Access Control</p>
<p><b>MODULE 19</b></p> <p><b>CEH v11 Protecting Data</b></p> <p>19.1 Data Protection            19.2 Backup Sites            19.3 Vulnerability Management            19.4 SIEM            19.5 Risks</p>	<p><b>MODULE 20</b></p> <p><b>CEH v11 Managing Risk</b></p> <p>20.1 Risk Management            20.2 Incident Handling            20.3 Information Security Laws and Standards            20.4 Activity - Assessing Risk            20.5 Ethical Hacking Penetration Testing            20.6 Review            20.7 Conclusion</p>