



Shaping Tomorrow's Cybersecurity

CERTIFIED CYBER SECURITY PROFESSIONAL(CCSP) COURSE

A Course Designed for Beginners

If you want to gain hands on experience in cybersecurity / ethical hacking then this is the right course for you.

Cybersecurity is one of the most in-demand career fields:

- This course doesn't require any pre-programming knowledge
- This course requires extensive amount of passion and practice
- You don't have to be a genius to be a master in cybersecurity
- You don't need to have a computer science or information technology background to learn Ethical Hacking
- You already have basic understanding about cybersecurity? Great, you can advance yourself with this course too

About This Professional Certificate

A developing number of exciting, admirably paying positions in the present security industry don't need a college education. This 8-week course CCSP Certificate will give you the specialized aptitudes to become work prepared for a cybersecurity analyst role. Instructional content and labs will acquaint you with ideas including network security, endpoint protection, incident response, threat intelligence, penetration testing, and vulnerability assessment.



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Cybersecurity is one of the most in-demand career fields:

- There is a severe shortage of cybersecurity professionals and it is estimated that 4 million more cybersecurity professionals are needed to defend organizations according to The 2019 (ISC)² Cybersecurity Workforce Study.
- CyberSeek.org, ranks Cybersecurity Analyst as second on a list of high demand job roles in low supply.
- Harvard Business Review states that the cybersecurity industry will see over 1.5 million vacant positions by 2020.
- Cybersecurity Ventures predicts that vacant positions for the cybersecurity industry will see a rise upto 3.5 million by 2021.
- It takes at least 3-6 months to fill up a cybersecurity job position, a study by ISACA.
- As per Cybersecurity Ventures, by 2021, practically 100% of large worldwide organizations will have a dedicated position for chief information security officer (CISO).
- Cybersecurity Ventures estimates more than 2 million openings will be in the Asia-Pac region out of the 3.5 million open cybersecurity positions expected by 2021.
- Certified ethical hackers make an average annual income of \$80,074, according to Payscale. The average starting salary for a certified ethical hacker is \$95,000, according to EC-Council senior director Steven Graham.
- The founder of NoWiresSecurity, Eric Geier, estimates a more conservative \$50,000 to \$100,000 per year in the first years of work depending on your employer, experience and education.



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Our Course Contents

Introduction to Ethical Hacking	Lecture 1
<ul style="list-style-type: none"> • Welcome And Introduction To The Instructor! • What Is Hacking? Who Is A Hacker? • Skills Of An Ethical Hacker, Types Of Hackers • Goals And Learning Objectives • What Is Ethical Hacking • Why Ethical Hacking Is Necessary • Scope & Limitations Of Ethical Hacking • Effects Of Computer Hacking On An Organization • Elements Of Information Security • Security Challenges • What Is Vulnerability Auditing • What Is Penetration Testing 	<ul style="list-style-type: none"> Topic 1 Topic 2 Topic 3 Topic 4 Topic 5 Topic 6 Topic 7 Topic 8 Topic 9 Topic 10 Topic 11 Topic 12
Foot Printing and Enumeration	Lecture 2
<ul style="list-style-type: none"> • What Is Foot Printing • Objectives Of Foot Printing • What Is Enumeration • Information Gathering Tool: Web Data Extractor • Finding An Organization's Details / Domain Name / Internal & Public And Restricted URLs • Finding An Organization's Server Details • Finding The Details Of Domain Registration • Finding The Location Of Servers • Tracking E-Mail Communications 	<ul style="list-style-type: none"> Topic 1 Topic 2 Topic 3 Topic 4 Topic 5 Topic 6 Topic 7 Topic 8 Topic 9
Environment / Lab Setup (OS)	Lecture 3
<ul style="list-style-type: none"> • Concept Of Security/ Penetration Testing Operating System (OS) • Types Of Security OS (Kali, Backbox, Parrotsec, Blackarch) • Vmware Setup • Selection And Installation • Configuration Setup • Intro With Tools And Scope Of Usability 	<ul style="list-style-type: none"> Topic 1 Topic 2 Topic 3 Topic 4 Topic 5 Topic 6

<ul style="list-style-type: none"> DVWA (Damn Vulnerable Web Application) 	Topic 7
Vulnerability Assessment and Scanning Segment -01	Lecture 4
<ul style="list-style-type: none"> What Is A Vulnerability Scanning? Types Of Vulnerability Scanning What Is A Proxy Server? How Does Proxy Server Work? Why Do Hackers Use Proxy Servers? What Is A TOR Network? Why Hackers Prefer To Use TOR Networks? Types Of Vulnerability Scanner Tools Uses Of Web Application Scanning Tools: Nessus, Acunetics, ZAP, Nikto, WpScan Finding More Details About A Vulnerability 	Topic 1 Topic 2 Topic 3 Topic 4 Topic 5 Topic 6 Topic 7 Topic 8
Vulnerability Assessment and Scanning Segment -02	Lecture 5
<ul style="list-style-type: none"> What Is Network Scanning Finding The Live Hosts In A Network OS Fingerprinting Scanning Ports And Services Using Nmap Introduction To Wire Shark And Basic Concept Capture Requests In A Network Using Wire Shark Credentials Grabbing Using Wire Shark 	Topic 1 Topic 2 Topic 3 Topic 4 Topic 5 Topic 6 Topic 7
SQL Injection -01 (Introduction & Basic SQLi)	Lecture 6
<ul style="list-style-type: none"> What Is SQL Injection And Why Occurs? Types Of SQL Injection Impact Of SQLi Understanding SQL Injection Detection Of SQL Injection Finding Suitable Injecting Point Conduct Injection, Disclosing Database, Tables And Columns 	Topic 1 Topic 2 Topic 3 Topic 4 Topic 5 Topic 6 Topic 7
SQL Injection 02 (Firewall & Firewall Bypassing Techniques)	Lecture 7
<ul style="list-style-type: none"> Introduction To Firewall / What Is Firewall Types Of Firewall Bypassing Firewall End Point Security 	Topic 1 Topic 2 Topic 4 Topic 5

<ul style="list-style-type: none"> • Next Generation Firewall 	Topic 6
SQL Injection -03 (Getting Administrative Access)	Lecture 8
<ul style="list-style-type: none"> • Conduct Regular/ Union Based Injection • Collecting Sensitive Informations (Email, Username, Passwords) • Cracking Passwor Hashes • Finding User Or Administrator Panel • Authentication Bypass And Gaining Access • Login As An Admin/ Authorized Person 	Topic 1 Topic 2 Topic 3 Topic 4 Topic 5 Topic 6
Cryptography and Steganography	Lecture 9
<ul style="list-style-type: none"> • What Is Cryptography • Types Of Cryptography • Encryption-Decryption Techniques • Hashing Functions • Different Types Of Encoding Methods • Basic Concept Of Steganography • Steganography In Media Files • Exif A Media To Detect Codes 	Topic 1 Topic 2 Topic 3 Topic 4 Topic 5 Topic 6 Topic 7 Topic 8
Common Web Application Vulnerabilities	Lecture 10
<ul style="list-style-type: none"> • Cross Site Scripting(XSS) • Cross-Site Request Forgery (CSRF) • Directory Traversal • Command Injection • Broken Authentication • Insecure Direct Object Reference (IDOR) • DoS Attack • Buffer Overflow Attacks • Security Misconfiguration 	Topic 1 Topic 2 Topic 3 Topic 4 Topic 5 Topic 6 Topic 7 Topic 8 Topic 9
Penetration Testing Tools	Lecture 11
<ul style="list-style-type: none"> • Introduction With Penetration Testing Tools • Hacking Web Servers And Web Applications • Uses Of Proxy Tools: Burp-Suite, Live HTTP Headers • Uses Of Exploitation Tools: SQL Map 	Topic 1 Topic 2 Topic 3 Topic 4



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<p>Basic Operations of Metasploit Framework and System Hacking</p>	<p>Lecture 12</p>
<ul style="list-style-type: none"> • Understanding Metasploit Framework • Basic Concept And Usability • Using Metasploit Framework To Attack Windows Machines • Attacking System Using Vulnerable Open Ports 	<p>Topic 1 Topic 2 Topic 3 Topic 4</p>
<p>Phishing and Social Engineering Attacks</p>	<p>Lecture 13</p>
<ul style="list-style-type: none"> • What Is Social Engineering • Why Is Social Engineering Effective? • Phases In A Social Engineering Attack • Impact On The Organization • Common Targets Of Social Engineering • Types Of Social Engineering • What Is Phishing • Phishing With Social Engineering • Human Based Social Engineering • Computer Based Social Engineering • Social Engineering Using SMS • Insider Attack • Social Engineering Through Social Networking Sites 	<p>Topic 1 Topic 2 Topic 3 Topic 4 Topic 5 Topic 6 Topic 7 Topic 8 Topic 9 Topic 10 Topic 11 Topic 12 Topic 13</p>
<p>Mobile Application Penetration Testing & Hacking Wireless Networks</p>	<p>Lecture 14</p>
<ul style="list-style-type: none"> • Understanding Mobile Platform Attack Vector • Understanding Various Android Phone Threats And Attack • Understanding Mobile Device Management • Mobile Security Guidelines And Security Tools • Overview Of Mobile Penetration Testing 	<p>Topic 1 Topic 2 Topic 3 Topic 4 Topic 5</p>
<p>Vendor Certifications and Opportunities For Cyber Security Professionals</p>	<p>Lecture 15</p>
<ul style="list-style-type: none"> • Who Is A Security Expert/ Analyst • Types Of Certifications (EC-COUNCIL, ISACA, ISC2) • Demand In Present Market Place • Discussion In Bug-Bounty Market Place • Life Style Of Cyber Security Professional • Discussion About CEH Vendor Exam 	<p>Topic 1 Topic 2 Topic 3 Topic 4 Topic 5 Topic 6</p>



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Cyber Law and Ethics	Lecture 16
<ul style="list-style-type: none">• Cyber Law In Bangladesh• Section 17, 25, 28, 29, 30, 31• Section 66, 67, 68	Topic 1 Topic 2 Topic 2

Growing Sectors For Cybersecurity Professionals

The field of cybersecurity presents different profession openings. TechForing also prioritize and provides career opportunity for bright students after completion of the course successfully. Apart from us, Banks, E-commerce Companies, Tech Companies, Government Agencies, Law Enforcement Agencies, Telecommunication Companies, ISP Companies and many other organizations are actively looking to recruit cybersecurity professionals.

Career opportunity fields:

- Ethical Hacker
- Cybersecurity Specialist
- Cybersecurity Consultant
- Network Security Engineer
- SOC Specialist
- Chief Information Security Officers
- Penetration Tester
- System Administrator
- IT Auditor
- Computer Hacking Forensics Investigator
- Information Security Researcher
- Data Security Analyst
- Cybersecurity Engineer
- Cybersecurity Professional

Visit our training website: <https://academy.techforing.com/>