



# **CERTIFICATE IN SECURE COMPUTER USER**

**DURATION: 60 Hours**

**CREDITS: 2**

## **COURSE SYLLABUS**

# Objective

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The CSU training program aims at equipping the students with the necessary knowledge and skills to protect their information assets. The program is designed to interactively teach the students about the whole gamut of information security threats they face ranging from identity theft and credit card fraud to their physical safety. The skills acquired during the course of this program will not only help the students to identify these threats but also to mitigate them effectively.

# Exit Profile

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- Respond to Cybersecurity Incidents:
- Cybersecurity Awareness
- Protect Personal and Professional Data
- Ensure Safe Online Practices

# Career Path

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- Cybersecurity Assistant
- Technical Support Representative
- Junior Systems Administrator
- Network Support Technician
- IT Support Technician
- Security Awareness Trainer
- Personal Security Consultant

# Course Outline

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<b>Course Name:</b>	<b>CERTIFICATE IN SECURE COMPUTER USER</b>	<b>Duration:60 H</b>
Module	Topic	Total Duration
<b>Module - 1</b>	INTRODUCTION TO SECURITY	20 H
	SECURING OPERATING SYSTEMS	
	MALWARE AND ANTIVIRUS	
	INTERNET SECURITY	
<b>Module - 2</b>	SECURITY ON SOCIAL NETWORKING SITES	20 H
	SECURING EMAIL COMMUNICATIONS	
	SECURING MOBILE DEVICES	
	SECURING THE CLOUD	
<b>Module - 3</b>	SECURING NETWORK CONNECTIONS	20 H
	DATA BACKUP AND DISASTER RECOVERY	
	SECURING IOT DEVICES AND GAMING CONSOLE	
	SECURE REMOTE WORK	

# Course in Detail

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## **MODULE: 1**

### **INTRODUCTION TO SECURITY**

- Data–Digital Building Blocks
- Importance of Data in the Information Age
- Threats to Data
- Data Security
- Potential Losses Due to Security Attacks
- Implementing Security

### **SECURING OPERATING SYSTEMS**

- Guidelines to Secure Windows
- Guidelines to Secure Mac OS

### **MALWARE AND ANTIVIRUS**

- What is Malware
- Types of Malware
- Symptoms of Malware Infection
- Antivirus
- Configuring and Using Antivirus Software
- How to Test If an Antivirus is Working

### **INTERNET SECURITY**

- Understanding Web Browser Concepts
- Understanding IM Security
- Understanding Child Online Safety

## **MODULE: 2**

### **SECURITY ON SOCIAL NETWORKING SITES**

- Understanding Social Networking Concepts
- Understanding Various Social Networking Security Threats
- Understanding Facebook Security Settings
- Understanding Twitter Security Settings

## **SECURING EMAIL COMMUNICATIONS**

- Understanding Email Security Concepts
- Understanding Various Email Security Threats
- Understanding Various Email Security Procedures

## **SECURING MOBILE DEVICES**

- Understanding Mobile Device Security Concepts
- Understanding Threats to a Mobile Device
- Understanding Various Mobile Security Procedures
- Understanding How to Secure iPhone and iPad Devices
- Understanding How to Secure Android Devices
- Understanding How to Secure Windows Device
- Mobile Security Tools

## **SECURING THE CLOUD**

- The Concept of Cloud
- How Cloud Works
- Threats to Cloud Security
- Safeguarding Against Cloud Security Threats
- Cloud Privacy Issues
- Addressing Cloud Privacy Issues
- Choosing a Cloud Service Provider

## **MODULE: 3**

## **SECURING NETWORK CONNECTIONS**

- Understanding Various Networking Concepts
- Understanding Setting Up a Wireless Network in Windows
- Understanding Setting Up a Wireless Network in Mac
- Understanding Threats to Wireless Network Security and Countermeasures
- Measures to Secure Network Connections

## **DATA BACKUP AND DISASTER RECOVERY**

- Data Backup Concepts
- Types of Data Backups
- Windows Backup and Restore Procedures
- MAC OS Backup and Restore Procedures
- Understanding Secure Data Destruction

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## **SECURING IOT DEVICES AND GAMING CONSOLE**

- What are IoT Devices?
- What are Gaming Consoles?
- Why Security is Important?
- Common Security Threats
- Basic Security Measures
- Secure Network Practices
- Monitoring and Managing Devices
- Device-Specific Security Tips

## **SECURE REMOTE WORK**

- What is Remote Work?
- Why Remote Work Security is Important?
- Common Security Risks for Remote Workers

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