

# Certified Secure Computer User

Duration: 2 Days

Method: Instructor-Led

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*Certification: Certified Secure Computer User (CSCU) Exam: 112-12*

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## Course Description

The purpose of the CSCU training program is to provide students with the necessary knowledge and skills to protect their information assets. This class will immerse students into an interactive environment where they will acquire fundamental understanding of various computer and network security threats such as identity theft, credit card fraud, online banking phishing scams, virus and backdoors, emails hoaxes, sex offenders lurking online, loss of confidential information, hacking attacks and social engineering. More importantly, the skills learnt from the class will not only help the students to identify these threats but also to mitigate them effectively.

Out of **79,790** classified attacks, the top 4 emerging attack patterns stemmed from Human error or misuse.

- Verizon Data Breach Investigation Report - 2015

## Target Student

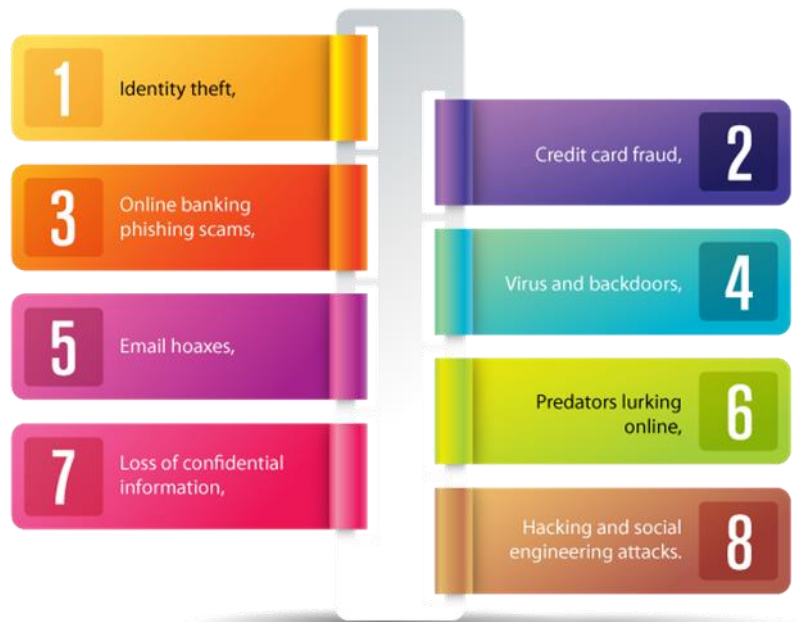


This course is specifically designed for today's computer user! As the Internet is quickly moving into a necessity, so is the need to learn how to safely browse, watch videos, send email, and even work online!

## Course Objectives

After successfully completing this course, students will be able to:

- Understand the need and importance of data security
- Implement Operating System security measures on their computers
- Understand Malware and its symptoms
- Make an informed decision about choosing the antivirus which is most relevant to their needs
- Understand the risks associated with different online activities
- Understand why and how to secure web browsers
- Identify safe websites
- Safeguard against the threats associated with online social networking
- Understand how to make their social networking accounts secure
- Understand the threats associated with email communications and how to safeguard against them
- Understand the threats to mobile devices and how to safeguard against them
- Understand the threats associated with cloud accounts and how to safeguard against them
- Make an informed decision about a cloud service provider which fulfills their requirements
- Understand the various types of networks and the threats associated with them
- Configure a home network
- Make their networks secure
- Understand the threats to data and the need for data backups
- Backup and restore data on their computers
- Destroy data permanently



## Course Content

### Lesson 1: Introduction To Data Security

- **Topic 1A:** Data–Digital Building Blocks
- **Topic 1B:** Importance of Data in the Information Age
- **Topic 1C:** Threats to Data
- **Topic 1D:** Data Security
- **Topic 1E:** Potential Losses Due to Security Attacks
- **Topic 1F:** Implementing Security

### Lesson 2: Securing Operating Systems

- **Topic 2A:** Guidelines To Secure Windows
- **Topic 2B:** Guidelines To Secure Mac OS X

### Lesson 3: Malware and Antiviruses

- **Topic 3A:** What is Malware
- **Topic 3B:** Types Of Malware
- **Topic 3C:** Symptoms Of Malware Infection
- **Topic 3D:** Antivirus
- **Topic 3E:** Configuring and Using Antivirus Software
- **Topic 3F:** How To Test If an Antivirus is Working

### Lesson 4: Internet Security

- **Topic 4A:** Understanding Web Browser Concepts
- **Topic 4B:** Understanding IM Security
- **Topic 4C:** Understanding Child Online Safety

### Lesson 5: Security On Social Networking Sites

- **Topic 5A:** Understanding Social Networking Concepts
- **Topic 5B:** Understanding Various Social Networking Security Threats
- **Topic 5C:** Understanding Facebook Security Settings
- **Topic 5D:** Understanding Twitter Security Settings

### Lesson 6: Securing Email Communications

- **Topic 6A:** Understanding Email Security Concepts
- **Topic 6B:** Understanding Various Email Security Threats
- **Topic 6C:** Understanding Various Email Security Procedures

### Lesson 7: Securing Mobile Devices

- **Topic 7A:** Understanding Mobile Device Security Concepts
- **Topic 7B:** Understanding Threats To a Mobile Device
- **Topic 7C:** Understanding Various Mobile Security Procedures
- **Topic 7D:** Understanding How to Secure iPhone and iPad Devices
- **Topic 7E:** Understanding How to Secure Android Devices
- **Topic 7F:** Understanding How to Secure Windows Device
- **Topic 7G:** Mobile Security Tools

### Lesson 8: Securing The Cloud

- **Topic 8A:** The Concept of Cloud
- **Topic 8B:** How Cloud Works
- **Topic 8C:** Threats To Cloud Security
- **Topic 8D:** Safeguarding Against Cloud Security Threats
- **Topic 8E:** Cloud Privacy Issues
- **Topic 8F:** Addressing Cloud Privacy Issues
- **Topic 8G:** Choosing a Cloud Service Provider

### Lesson 9: Securing Network Connections

- **Topic 9A:** Understanding Various Networking Concepts
- **Topic 9B:** Understanding Setting Up a Wireless Network in Windows
- **Topic 9C:** Understanding Setting Up a Wireless Network in Mac
- **Topic 9D:** Understanding Threats to Wireless Network Security and Countermeasures
- **Topic 9E:** Measures to Secure Network Connections

### Lesson 10: Data Backup and Disaster Recovery

- **Topic 10A:** Data Backup Concepts
- **Topic 10B:** Types of Data Backups
- **Topic 10C:** Windows Backup and Restore Procedures
- **Topic 10D:** MAC OS X Backup and Restore Procedures
- **Topic 10R:** Understanding Secure Data Destruction