

Certified Secure Computer User

Course code: CSCU

CSCU - Certified Secure Computer User is a course focused on regular users of information technologies. The participants will learn how to handle their data, personal computer, notebook or wireless network securely. The main topic of the course is the security on the Internet, concerning the common use of personal e-mail accounts, social networks or online shopping. In addition we will touch also topics not connected to IT and show the non-technical ways of hacking, identity theft a pickpockets' tricks. The whole course will be supplemented by real-life examples, case studies, concerning crime victims from real or virtual world. As a matter-of-course we will teach you how to protect yourself and in the first place how to precede these attacks, so that you won't become one of the victims. The course concludes with the certification test CSCU 112-12, which is already included in the course price.

Who is the course for

The course is designed for company or private computer users without any technical knowledge concerning the operation system (OS) management. The course provides complex overview of risks, which we are confronted with while using computers or mobile devices for communication on the internet, and teach us to defend ourselves against these risks. The course is required for taking the certification exam CSCU 112-12 and will also prepare you for the exam. The price of the exam is already included in the price of the course. The exam is in English, takes two hours and the participants take it at the end of the course.

What we teach you

- The rules for personal data management on the internet
- How to use the social networks securely
- To recognize the original web sites from the fake one
- Secure use of e-mails
- Secure your own computer against internet attacks
- Protect the data on your computer
- Connect to wireless networks so that no one can eavesdrop

Required skills

Basic knowledge of web browsers use

Basic knowledge of e-mail communication use

General knowledge concerning online payments using a payment card, PayPal or similar systems.

Age above 18 years is required for taking the course as well as the CSCU exam.

Course outline

Security bases

- Basic terminology
- Why security?
- What can you lose when attacked
- Security elements
- What to secure

Security of an OS

- OS security in general
- Threads for your OS
- Simple steps to secure your OS
- Data encryption

Antivirus

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- What is an Antivirus
- Why to use an Antivirus
- How an Antivirus detects potentially dangerous programs

Encryption

- Terminology
- Reasons for encryption
- Use of encryption (discs, communication, certification)

Data backup

- Why to back up data?
- Possible loss of data
- What kind of data to back up and how often
- Methods of backing up

Internet security

- Security on the internet in general
- Setting of web browsers
- Testing of own security
- Instant Messaging - ICQ, MSN, Facebook chat
- Online games
- How do the criminals earn money using the internet
- Risks connected to illegal programs download
- Cyber prostitution and internet relationships
- Children security on the internet

Secure internet connection

- Home network
- Wireless networks
- Known threads on a wireless network
- Security of a wireless network
- Security of the internet connection

Security of online payments

- Online shopping
- Online banking
- Payment via payment card
- Known payment cards deceptions
- Steps to secure use of a payment card
- Security of online transactions
- Providers of online transaction
- Identifying of the reliable and unreliable financial services on the internet

E-mail communication security

- E-mail in men' cyber life
- E-mail security
- Risks connected to an e-mail service
- How to secure and safely use e-mail

Physical security

- What can be physically stolen
- How do thief work
- How to prevent thefts and burglary

Social engineering and identity theft

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- What is an identity theft
- What is social engineering
- Case studies
- Prevention

Risks of social networks

- What is a personal profile
- Internet threats
- Dangerous behaviour of users - What (not) to do on social networks

Security of smart phones

- Possible risks concerning smart phones
- Prevention

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