

Course : Introduction to computer security

Synthesis course - 1d - 7h00 - Ref. ISI

Price : 850 € E.T.

 4,6 / 5

With the evolution of the Internet, IS security is becoming increasingly important in both private and professional environments. This introduction to IS security will introduce you to the risks and threats affecting the security of information systems.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understand the risks and threats to your information system
- ✓ The possible consequences of a computer attack
- ✓ Identify information protection measures
- ✓ Learn how to make your workstation safe
- ✓ Promote the company's IS security policy

Intended audience

All users wishing to learn the basics of computer security.

Prerequisites

Be familiar with the ANSSI security hygiene guide.

Course schedule

1 Threats and risks

- What is IT security?
- How can negligence create catastrophe?
- Everyone's responsibilities.
- IS architecture and potential vulnerabilities.
- Corporate networks (local, remote, Internet).
- Wireless networks and mobility. Risky applications: Web, messaging...
- Database and file system. Threats and risks.
- The sociology of pirates. Underground networks. Motivations.

PARTICIPANTS

All users wishing to learn the basics of computer security.

PREREQUISITES

Be familiar with the ANSSI security hygiene guide.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects.

They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

2 Workstation safety

- Confidentiality, signature and integrity. Encryption constraints.
- The different cryptographic elements. Windows, Linux or MAC OS: which is the most secure?
- Managing sensitive data. Laptop issues.
- The different threats on the client workstation ? Understanding malicious code.
- How do you manage security vulnerabilities?
- USB ports. The role of the client firewall.

3 The authentication process

- Access controls: authentication and authorization.
- The importance of authentication.
- The traditional password.
- Certificate and token authentication.
- Remote connection via the Internet.
- What is a VPN?
- Why use strong authentication?

4 The legal framework and the right reflexes to adopt

- What are the legal and regulatory constraints?
- Why do we have to comply with these safety requirements?
- Acting for better safety: social and legal aspects.
- CNIL (Commission Nationale de l'Informatique et des Libertés) and legislation.
- What is a risk, vulnerability and threat analysis?
- Understand the role of the CISO and Risk Manager.
- Cyber-surveillance and privacy.
- The charter for the use of IT resources. Day-to-day security and good habits.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

Dates and locations

REMOTE CLASS

2026: 5 Mar., 4 June, 17 Sep., 19 Nov.

PARIS LA DÉFENSE

2026: 4 June, 17 Sep., 19 Nov.