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# CISSP® Certification Training

ALL-IN-ONE: EXAMINATION INCLUDED IN PRICE

5 days (35 hours)

## Presentation

Demonstrate a high level of knowledge of [information systems](#) security. The CISSP® certification for cybersecurity professionals will enable you to prove your skills.

The exam reviews the fundamental concepts of CISSP®. We'll come back to the different modules present during the certification test. We cover 8 areas of the CBK (Common Body of Knowledge):

- Security and risk management - Asset security - Security architecture and engineering - Communications and network security - Identity and access management (IAM) - Software development security - Security evaluation and testing - Operational security

The CBK guarantees a comprehensive overview of information security disciplines. With CISSP certification, you can play a key role in your organization's cybersecurity management in countless sectors (banking, finance, insurance, telecoms operators, energy, etc.).

This certification is recommended for career advancement, designated as one of the best certifications in the cybersecurity field and [one of the most in demand](#) in 2023.

## Objectives

- Acquire the knowledge needed to pass the CISSP® exam
- Master information security knowledge in the eight CBK domains

- Understand organization-wide information security needs
- Acquire the knowledge needed to advise an organization on best practices in IT security management

## Target audience

- ISD
- CISO
- Computer scientist
- Network administrator
- Engineer
- Auditor
- Cybersecurity Consultant

## Prerequisites

- 5 years' professional experience in cybersecurity
- Basic knowledge of auditing standards
- Business continuity skills
- Understanding of technical English
- A good understanding of Unix, Windows and Linux systems
- [Test My Knowledge](#)

Note: Ambient IT is not the owner of CISSP®, this certification belongs to ISC2®, INC.

## CISSP® Certification Preparation Program

### Day 1: Safety and risk management

- Introduction
- Essential principles of information protection
- Fundamental principles of safe design
- Legal and regulatory issues
- Security and third parties
- Ethics
- Risk concepts
- Information security governance and management

### Property safety

- Introduction
- Classification of information assets
- Data lifecycle management
- Compliance requirements and data preservation measures

### Day 2: Security architecture and engineering

- Introduction
- Systems engineering models
- Physical computer architecture
- Operating system architecture
- IT system security architecture
- Assessing and reducing vulnerabilities in IT security architectures
- Safety assessment methods and criteria
- Cryptography: introduction and history
- Cryptography: Fundamental concepts
- Cryptographic algorithms
- Symmetric algorithms
- Asymmetric algorithms
- Symmetric vs. asymmetric algorithms
- Hash functions
- Cryptographic attacks
- Cryptography: Putting it into practice

## Communications and network security

- Introduction
- Fundamental network concepts
- Network models
- LAN and WAN technologies
- Network devices
- Secure communications
- Network attacks
- Network component security

## Day 3: Identity and Access Management (IAM)

- Introduction
- Definitions
- Identity and Access Management
- Access control concepts
- Access control categories and types
- Identification and authentication methods
- Security and access control models
- Access control technologies
- Centralized access control protocols

## Software development security

- Introduction
- Security threats and vulnerabilities
- Software development process
- Databases
- Object-oriented programming
- Object Request Brokers (ORB)
- Software security assessment
- Artificial intelligence

## Day 4: Safety assessment and testing

- Introduction
- Risk management standards and frameworks
- Purpose of security assessment, audit and testing
- Software testing methods

## Operational safety

- Introduction
- Organizational security
- Security incident management
- Forensic computer investigations
- Monitoring and logging activities
- Asset management
- Continuity of operations
- Business continuity planning
- Physical security

## Day 5: Mock exam (125 questions) FAQ

### - QUESTIONS / ANSWERS

#### In what language is CISSP® training taught?

The course is in French.

#### What language is used for the exam?

The exam is conducted in English.

#### Is the exam included in the course price?

Yes, the price of the certification is included in the cost of the training course ([665€](#) HT for information only). You can take the exam at the end of the session.

#### How does the CISSP® certification exam work?

The exam consists of a multiple-choice test with 125 to 175 questions in the areas of security management, asset security, security architecture, communications and network protection, IAM, operational security assessment and software development security assessment.

It is taken online at an approved Pearson Vue test center in Paris. The exam lasts 4 hours and is in English.

To pass this exam, you need to score at least 700 points out of a possible 1000.

## What is the CPF?

The CPF (Compte Personnel de Formation - Personal Training Account) is a scheme set up by the French government to provide employees with funding that can be used solely for training purposes.

## Why take a training course eligible for the CPF?

To take advantage of the many benefits offered by the CPF :

Training that can be financed up to 100%  
Quality training approved by the government  
body France Compétences  
Certification issued by France Compétences

## What should I do if my CPF balance is insufficient?

Get in touch with us! Our advisors can help you find additional sources of financing, depending on your situation, such as Pôle emploi, your company, yourself (via credit card), or the OPCO Atlas.

## How do I register via mytrainingaccount?

Simply click on the green "CPF" banner on the right of the screen (or at the top if you're using a cell phone). You will then need to select a session date from the MonCompteFormation website.

## How can I increase my CPF balance?

You are credited at the end of each working year to your Moncompteformation account. You can receive up to 500 euros per year. The ceiling is set at €5,000, except in specific cases where the limit rises to €8,000.

Specific cases where the ceiling is set at €8,000:

- Unqualified employee
- Recognized disabled worker

- Victim of an accident at work or occupational disease resulting in permanent disability of at least 10%.
- Disability pensioner
- Military pensioner
- Recipient of a disability allowance or pension for volunteer firefighters
- Beneficiary of the mobility and inclusion card bearing the mention "invalidity".
- Recipient of disabled adult allowance (AAH)

## What should I do if my CPF balance is insufficient?

Get in touch with us! Our advisors can help you find additional sources of financing, depending on your situation, such as Pôle emploi, your company, yourself (via credit card), or the OPCO Atlas.

## How can I finance this training?

Contact us for a customized financing solution! We'll help you choose from the following options:

- Your company's OPCO (skills operators)
  - The skills development plan
  - Collective actions for Big Data training
  - The FNE-Formation system
  - VSE/SME scheme
- Pôle Emploi
  - AIF (Aide Individuelle à la Formation for jobseekers)
  - ARE (Allocation chômage d'aide au retour à l'emploi - unemployment benefit to help you get back to work)
- The CPF system (MonCompteformation)
- Framework agreement

## Do you provide written support?

Yes, if the course is taken face-to-face.

## Are there any videos to follow?

No, no video to follow.

## If I fail, can I retake the exam free of charge?

No, only one passage is included.

## Can I take the exam remotely?

No, the exam must be taken at an official Pearson Vue center in Paris.

## Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.