



# Cybersecurity Foundation

## Description

Discover our **Cybersecurity foundation training**, designed to meet the growing demand for qualified **cybersecurity** professionals. This course offers a deep dive into the fundamental principles and concepts of cybersecurity, perfectly aligned with industry best practices such as ISO/IEC 27032 and the NIST Cybersecurity Framework.

Aimed at those aspiring to actively contribute to the development and management of robust cybersecurity programs, this **PECB Cybersecurity Foundation** course covers everything from the implementation of cybersecurity programs, attack mechanisms, threat mitigation, risk management, to best practices for incident response. Gain the necessary skills to effectively participate in cybersecurity management projects and strengthen your organization's resilience against digital threats.

## Course Content

Day 1: Cybersecurity Foundations and Framework **Module 01: Course Objectives and Structure**

- Introduction and goals of the cybersecurity training
- Overview of the course structure

### Module 02: Normative and Regulatory Framework

- Understanding international standards and the regulatory framework

### Module 03: Fundamental Concepts in Cybersecurity

- Exploration of essential cybersecurity principles

### Module 04: Cybersecurity Program

- Development and implementation of an integrated cybersecurity program

### Module 05: Cybersecurity Policy and Risk Management

- Development of cybersecurity policies
- Principles of risk management in cybersecurity

### Module 06: Attack Mechanisms

- Identification and analysis of common attack vectors

## Day 2: Incident Management and Continuous Improvement **Module 07: Cybersecurity Controls**

- Implementation of security controls for the protection of information assets

## **Module 08: Information Sharing and Coordination**

- Importance and methods of information sharing in cybersecurity

## **Module 09: Training and Awareness Program**

- Development of programs aimed at enhancing cybersecurity awareness

## **Module 10: Business Continuity and Cybersecurity Incident Management**

- Business continuity planning in response to cybersecurity incidents

## **Module 11: Incident Response and Recovery**

- Response and recovery strategies following security incidents

## **Module 12: Cybersecurity Testing**

- Testing methods to assess the effectiveness of security measures

## **Module 13: Performance Measurement and Continuous Improvement**

- Techniques for measuring the performance of cybersecurity initiatives and for their continuous improvement

## **Module 14: Certification Process**

- Preparation for the certification exam and overview of the certification process

## **Documentation**

- Digital course material included

## **Exam**

### **The "PECB Cybersecurity Foundation" exam covers the following competency areas**

- Fundamental principles and concepts of cybersecurity
- Cybersecurity program

### **An exam voucher as well as a "retake" is included in the course price**

- If you fail the exam on your first try, you have the opportunity to make a second attempt for free
- There is no need for a new exam voucher to retake the exam. The same voucher you used for the first exam attempt is valid for the second attempt

## **Participant profiles**

- Cybersecurity managers and consultants
- Cybersecurity management professionals

- Information security officers
- Those aspiring to a cybersecurity career

**Prerequisites**

- There are no prerequisites to participate in this training.

**Objectives**

- Understand the fundamental concepts and principles of cybersecurity.
- Identify key standards and frameworks, such as ISO/IEC 27032 and the NIST Cybersecurity Framework.
- Explain the approaches, methods, and techniques for ensuring cybersecurity.
- Assess risks and implement effective mitigation strategies.
- Develop skills in incident response and crisis management.

**Description**

Training Cybersecurity Foundation

**Niveau**

Fondamental

**Classroom Registration Price (CHF)**

1960

**Virtual Classroom Registration Price (CHF)**

1860

**Duration (in Days)**

2

**Reference**

CYF-01