

## About the Course

This advanced course focuses on the ecosystem of information security frameworks, standards, regulations, and real-world best practices used to design, govern, operate, and improve enterprise security programs.

Unlike purely technical or purely managerial courses, this course teaches:

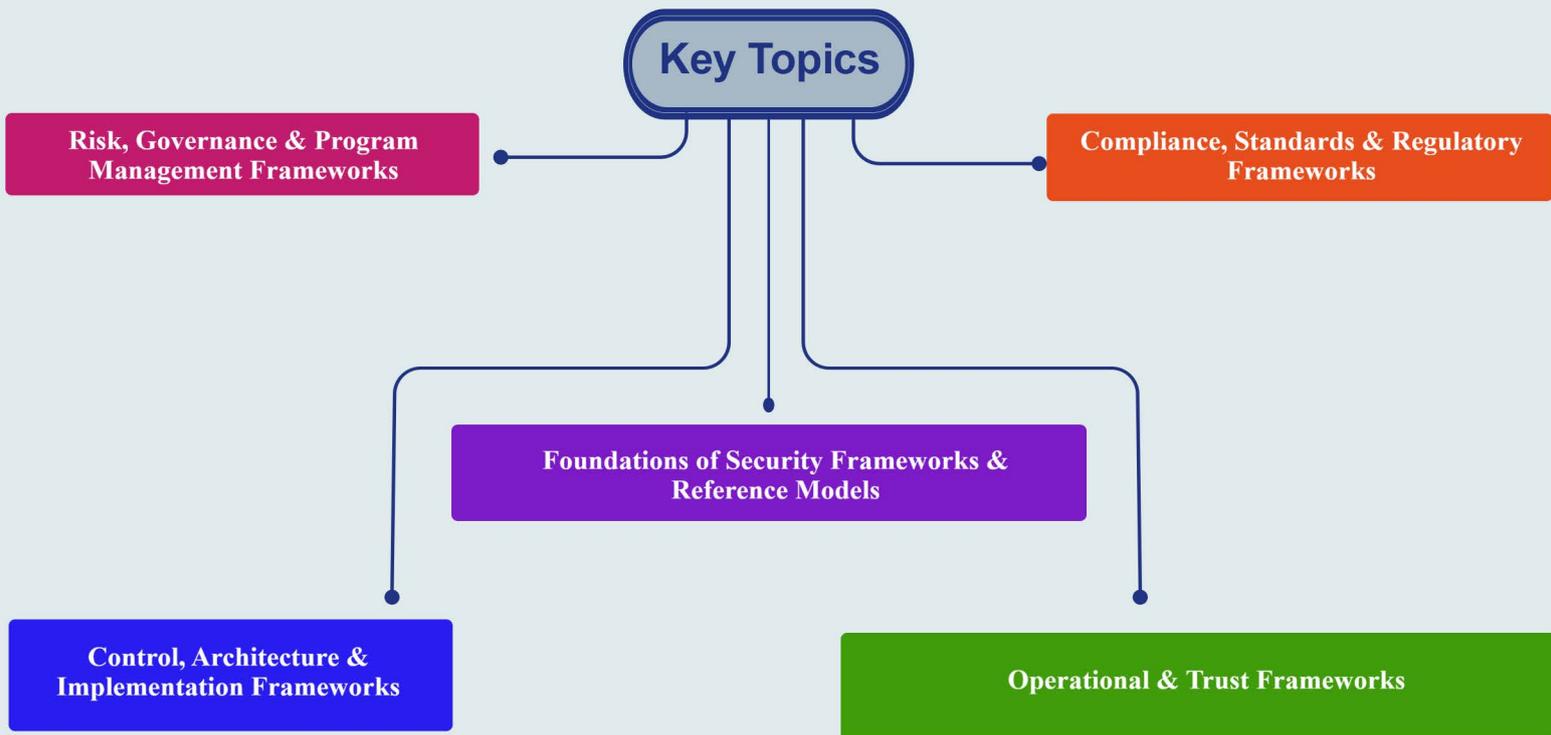
- How frameworks, standards, and regulations fit together
- How risk, governance, control, compliance, IAM, and incident response frameworks interconnect
- How global standards (ISO, NIST, FIPS, etc.) are used in practice
- How leading vendors (Cisco, Microsoft, Oracle) implement security architectures
- How organizations build their own best-practice portfolio

This course is a bridge between security theory and enterprise-scale implementation.

## Learning Objectives



## Key Topics



## Pre Requisites

- Understanding of:
  - Information Security fundamentals
  - Risk, controls, ISMS, and governance concepts
- This course is NOT entry-level

## What You Will Receive



Course Presentation File



Complementary Files



Mastering Information Security – From Concepts to Practice eBook

## Who Should Attend

- Security architects and senior engineers
- GRC, risk, compliance, and audit professionals
- Information security managers and consultants
- Enterprise and cloud architects
- SOC and IR leaders
- Anyone designing or governing **enterprise-scale security programs**



## Syllabus



### Risk Management Frameworks

- NIST RMF (800-37)
- NIST AI RMF
- OCTAVE
- FAIR



### Governance & Program Frameworks

- NIST CSF
- COBIT
- COSO
- ENISA



### Control Frameworks

- MITRE ATT&CK
- CIS Controls
- Open SAMM
- PAS 555



### Compliance & Privacy Frameworks

- SOC1, SOC2, SOC3
- PCI DSS
- HIPAA
- GDPR



### IAM Frameworks

- NIST 800-63
- Zero Trust
- FIDO2



### Information Security Standards

- ISO/IEC 27000 family
- ISO/IEC 22301, 24762
- NIST FIPS: 140, 199, 200
- Industry standards: Finance, Healthcare, Power

## Syllabus



### Cisco Security Architecture

- SAFE
- ISE
- SecureX,
- Talos
- Umbrella
- Duo
- Firewall



### Microsoft Security & Compliance

- Security Baselines
- SCT
- Endpoint Security
- Remote Access
- Governance



### Oracle Security-in-Depth

- Model Specification
- Architecture Security Layers
- Security Key Aspects
- Real World Application

## Hands-on Training

- Case studies
- Framework mapping exercises
- Architecture analysis
- Governance & compliance design workshops
- Portfolio design exercises