

Information Security Program Development and Management

This intermediate Information Security Program Development and Management training equips security engineers with the skills to develop, manage, and maintain an effective infosec program. Learn to integrate human, digital, physical, and financial elements into a cohesive information security strategy. This ISACA training is ideal for onboarding new engineers, or as an ISACA reference resource.

[CBT Nuggets course material](#) →

WEEK 1

Information Security Program Development

157 min.

Designing an Information Security Program	5
Information Security Program Details	7
Information Security Architecture	6
Information Security Program Management	11
Security Policies	9
Working With Internal and External Resources	7

IS Audit Planning

Overview	1
Discussing IS Audit Standards, Guidelines, and Code of Ethics	9
Evaluating the Business Process	10
Auditing Business Applications	13
Defining Types of Controls	9
Analyzing Risk Based Audit Planning	10
Identifying Types of Audits	5

IS Audit Execution

Overview	1
Discussing Audit Project Management	11
Sampling Methodologies	7
Considering Audit Evidence Collection Techniques	9
Exploring Data Analytics	11
Implementing Continuous Online Auditing	7
Exploring Reporting and Communication Techniques	7

WEEK 2

154 min.

Ensuring Quality and Improvement of the Audit Process	5
IS Audit Process Domain Review	9
Data Classification and Encryption	
Overview	1
Exploring Data Classification	4
Covering Encryption Basics	3
Reviewing Encryption Systems	6
Diving into Digital Signatures	8
Touring Cryptographic Applications	3
Examining Public Key Infrastructure (PKI)	5
Security Program Operations	
Overview	1
SOCs and Event Monitoring	11
Vulnerability and Patch Management	8
Network Protection	13
Content Filtering	12
Endpoint Protection and Management	7
Security Program Management Functions	
Overview	1
Secure Engineering and Development	7
Identity and Access Management	13
Security Training and MSSPs	13
Data Backup and Recovery	16
Financial and Capacity Management	5

WEEK 3

Security Controls and Control Frameworks

58 min.

Overview	1
Security Controls	6
Security Control Categories	5
Security Control Functions	6
Testing Security Controls	8
Control Objectives and Frameworks	8
Designing Controls	7
Security Control Review	15