

CISSO: Certified Information Systems Security Officer

(5 Days)

About this course

The CISSO covers all of the CISSP (10 Domain) exam objectives but allows the student to get certified with much more ease than the ISC2 exam process. Kevin Henry is the well-known security guru who created both these courses. The CISSO is the updated version with the latest and greatest content, which will also prepare the student for the CISSP exam. The CISSO course is designed for a forward-thinking security professional or consultant that manages or plays a key role in an organization's information security department.

The Certified Information Systems Security Officer was a direct initiative of the DND –Department of Defence of Canada in cooperation with the DOD – Department of Defense of the United States. Defined in in this dual initiative titled CANUS CDISM MOU - ID#: 1974100118 found at:

<http://www.state.gov/documents/organization/111449.pdf> in the CANUS CDISM MOU, it stated the following: I. The CDRSN National Information System Security Officer (ISSO) is the focal point for all security issues pertaining to this network. II. The Director Information Management Security (DIMSECUR) is the DND authority for security assessment of the CDRSN, including the approval of Interim Authority to Process (IAP) and Authority to Communicate.

The Certified ISSO was created with these initiatives in mind. The CISSO addresses the broad range of industry best practices, knowledge and skills expected of a security manager/Officer. The candidate will learn in-depth theory pertaining to the practical implementation of core security concepts, practices, monitoring and compliance in the full panorama of IS management. Through the use of a risk-based approach, the CISSO is able to implement and maintain cost-effective security controls that are closely aligned with both business and industry standards. Whether you're responsible for the management of a Cyber Security team, a Security Officer, an IT auditor or a Business Analyst, the CISSO certification course is an ideal way to increase your knowledge, expertise and skill!

Prerequisites

- 1 Year experience in at least 2 modules or
- 1 year in IS Management

Target Student:

- IS Security Officers & Managers
- IS Managers
- Risk Managers Auditors
- Information Systems Owners
- IS Control Assessors

Course Objective

Upon completion, Certified Information Systems Security Officer students will be able to not only be able to establish industry acceptable Cyber Security & IS management standards with current best practices but also will be prepared to competently take the CISSO exam.

Course Outline

Module 1: Risk Management

Module 2: Security Management

Module 3: Identification and Authentication

Module 4: Access Control

Module 5: Security Models and Evaluation Criteria

Module 6: Operations Security

Module 7: Symmetric Cryptography and Hashing

Module 8: Asymmetric Cryptography and PKI

Module 9: Network Connections

Module 10: Network Protocols and Devices

Module 11: Telephony, VPNs and Wireless

Module 12: Security Architecture and Attacks

Module 13: Software Development Security

Module 14: Database Security and System Development

Module 15: Malware and Software Attacks

Module 16: Business Continuity

Module 17: Disaster Recovery

Module 18: Incident Management, Law, and Ethics

Module 19: Physical Security