

Certified Information Systems Security Officer (CISSO)

Modality: Virtual Classroom

Duration: 5 Days

SUBSCRIPTION: No

About this course:

Certified Information Systems Security Officer certification training was a direct initiative of the DND – Department of National Defence of Canada in cooperation with the DOD – Department of Defense of the United States. The CDRSN National Information System Security Officer (ISSO) is the focal point for all security issues pertaining to this network. 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 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. Upon completion, Certified Information Systems Security Officer students will not only be able to establish industry acceptable Cyber Security & IS management standards with current best practices but also be prepared to competently take the CISSO exam.

The Certified Information Systems Security Officer exam is taken online through Mile2's Assessment and Certification System ("MACS")

The average salary for Certified Information Systems Security Officer is **\$82,942** per year.

Course Objective:

After completing this course, students will be able to:

- Have knowledge to detect security threats and risk
- Have knowledge to design a security solution to mitigate risk and threats
- Have knowledge to accurately report on their findings from examinations
- Be ready to sit for the CISSO Exam

Audience:

This course is intended for:

- Security Analyst/Consultant
- Director of Security

- Security Architect
- IT Management
- Security Auditor
- Chief Information Security Officer

Prerequisites:

- 1 year experience in at least 2 modules or
- 1 year in IS management

Suggested prerequisites courses:

- [Certified Information Systems Security Professional \(CISSP\)](#)

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** - Vulnerability Assessments
- **Module 8** - Symmetric Cryptography and Hashing
- **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** - Disaster Recovery
- **Module 18** - Incident Management, Law, and Ethics
- **Module 19** - Physical Security