

## Certified Information Systems Security Professional (CISSP) Training & Certification Preparation

Students will learn how to successfully configure, execute, construct, and troubleshoot enterprise information security concepts to ensure the threat of information system compromise is minimized or negated. Below outlines the topics for the CISSP training:

- Access Control: Risk Management concepts, policies and procedures, information classification, information security roles and responsibilities, and handling incidents
- Application Development Security: Security goals and threats, system life cycle development (SDLC), security architecture, change control, databases and data warehousing, and knowledge based systems
- Business Continuity and Disaster Recovery (BCDR) Planning: BCDR concepts and processes, program management, vulnerability assessments, plan testing, and prevention
- Cryptography: Application and uses of cryptography, protocols and standards, encryption standards, symmetric and asymmetric cryptography, digital signatures, e-mail encryption, key management, public key infrastructure (PKI), cryptanalysis attacks, and cryptography export issues
- Information Security Governance and Risk Management: identification of an organization's information assets and the development, documentation, and implementation of policies, standards, procedures, and guidelines that ensure confidentiality, integrity, and availability
- Legal, Regulations, Investigations and Compliance: Information technology laws and regulations, conducting investigations, and information ethics
- Operations and Physical (Environmental) Security: Resources, privileges, control mechanisms, appropriate control and principles, facilities management, personnel security, and physical controls
- Security Architecture and Design: Computer science and architecture, security control concepts, security models, host-based and server security
- Telecommunications and Network Security: Communications security management, network protocols, identification and authentication, data communications, attack methods, incidence response management

### CISSP Training Overview

- 5-day, on-site, hands-on CISSP certification preparation training class for up to 15 students at a time
- Prepares students for the CISSP exam and for real world security challenges
- Instructor will teach the course with exam preparation as a priority and the students will be required to schedule their exam upon completion of the class
- The CISSP is very similar to the Security+ certification.
- Accredited by the American National Standards Institute (ANSI)
- Meets the International Standards Organization (ISO) Standard 17024:2003
- Obtaining the CISSP credentials demonstrates competence in the ten domains of the ISC2 CISSP Common Body of Knowledge (CBK)
- Industry recognized and accepted certification for technical and management personnel