

INFOSEC / IA Training Descriptions & Benefits

INFOSEC Services offerings cover 22 Information Security (INFOSEC) and Information Assurance (IA) training courses that support management, operational and technical objectives to protect the confidentiality, integrity, and availability of information and information systems. Our training has a specific focus on data-in-transit, data-at-rest, and the authority to access and manipulate data throughout the enterprise. Listed below are the courses, descriptions, and enterprise benefits of each.

TRAINING TITLE #	DESCRIPTION	ENTERPRISE BENEFITS
Information System Security Officer (ISSO) Duties (FIPS 200) IS-IS-1	To provide an overview of the operational areas to be filled by ISSOs and the specific responsibilities of fulfilling those duties	Ensures familiarity with access control, awareness and training, audit and accountability, C&A, ST&E, configuration management, disaster recovery planning, identification and authentication, personnel security, risk assessment, systems and services acquisition, and system and information integrity
Information System Security Engineer (ISSE) Duties (FIPS 200) IS-IS-2	To provide an overview of the technical areas to be filled by ISSEs and the specific responsibilities of fulfilling those duties	Ensures familiarity with C&A, ST&E, architecture and design, incident response, solutions management, forensics, system maintenance and media protection, physical and environmental protection, system and communications protection, vulnerability management, and system and information integrity
Security Test & Evaluation (ST&E) IS-CA-3	Focused for ISSOs, to teach best practice steps to test systems and evaluate management, operational, and technical controls	When combined with ISSO Duties (IS-IS-1), completes requirements for training for CompTIA Security+ certification and allows for test against technical, operational, and management controls
Network Management IS-NM-1	Focused for ISSEs, to provide an overview of technical management of networks and an understanding of the technologies involved	When combined with ISSE Duties (IS-IS-2), completes requirements for training for CompTIA Network+ certification and allows for management of network components in an integrated manner
Certification & Accreditation (C&A) IS-CA-1	Focused for ISSOs, to teach how to complete C&A from the compliance requirement through the granting of an Authority to Operate	Clarifies the purpose and efforts involved in C&A regardless of the C&A system being used
Using the Leverage SSP Evaluation Tool® IS-CA-2	Focused for ISSOs, to enable evaluation of System Security Plans (SSPs) regardless of the major system under which prepared	Determines how well C&A documents are written with regard to providing needed information for making the Authority to Operate decision
Risk Management IS-RM-1	Focused for ISSOs, to describe a thorough understanding of best practice in risk assessment and management	Ensures the enterprise will increase objectivity of risk assessments to the greatest extent possible and enable management of risks as identified
Conducting a SWOT Analysis in Support of a Risk Assessment IS-RM-2	Focused for ISSOs, to teach how to objectively identify risks that will be quantified through best practice mathematical methods	Allows the enterprise to objectively identify risks to determine acceptability or degree of risk involved through evaluation of enterprise Strengths, Weaknesses, Opportunities, and Threats (SWOT)
Business Process Management IS-BP-1	Focused for ISSOs, to enable integration of INFOSEC efforts in business workflow to better meet mission requirements	Allows the enterprise to move INFOSEC/IA efforts from inhibitions on missions to support for successful mission fulfillment

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Policy and Procedure Development IS-BP-2	Focused for ISSOs, to teach preparation of policies and procedures for INFOSEC/IA issues	Allows the enterprise to document business workflow with regard to INFOSEC/IA efforts
Incident Response and Handling IS-CP-1	Focused for ISSOs and ISSEs, to enable proper response to possible or valid security incidents	Improves INFOSEC support of help desk and desktop administration in remediating security incidents
Contingency Planning IS-CP-2	Focused for ISSOs, to plan for contingency events and leading to Continuity of Operations Planning (COOP) efforts	Allows INFOSEC/IA oversight of contingency planning and integration into continuity of operations planning
Configuration Management IS-CM-1	Focused for ISSOs, to enable real-time understanding of systems and components planned and in use including patch and upgrade management	Provides for control of components and documents from requirements management through lifecycle including change management
Solution Management IS-SM-1	Focused for ISSEs, to determine best practice approaches for selecting acceptable solutions to known problems	Provides for INFOSEC/IA involvement early in requirements phases to ensure acceptability of selected solutions
Forensics IS-SM-2	Focused for ISSEs, to enable best practice in root cause analysis for technical systems with a basic understanding of evidentiary rules	Identifies causes instead of just symptoms and creating acceptable evidence trails
Vulnerability Analysis and Management IS-VM-1	Focused for ISSEs, to find existing system vulnerabilities through testing of many types including intrusion detection systems	Allows for vulnerability assessments and penetration testing to validate how well solutions are working
Preparing Annual Security Awareness Briefings IS-SA-1	Focused for ISSOs, to teach how to prepare annual briefings focused on counteracting the impact of social engineering and the foibles of humans	Provides for successful implementation of mitigation-of-risk methods based on personnel weaknesses and limitations
INFOSEC Strategic Planning IS-SP-1	Focused for senior ISSOs, to enable planning for INFOSEC/IA efforts throughout an enterprise	Allows for successful INFOSEC planning including development of a concise security program plan
INFOSEC Architecture and Design IS-AD-1	Focused for senior ISSEs, to teach system design that includes INFOSEC practices and related components	Allows for successful INFOSEC design and architecture within the Enterprise Architecture and System Development Lifecycle guidance
Conducting Audits and Surveys IS-AS-1	Focused for ISSOs and ISSEs, to determine existing conditions through as-is inspection and trend analysis of physical facilities and through personnel interviews	Allows the enterprise to self-evaluate how well it is meeting goals and objectives in the as-is condition and through personnel understanding
Knowledge Management IS-KM-1	Focused for ISSOs, to enable the transfer of information as gleaned from data and configured into knowledge	Provides for quantification of intellectual assets within the enterprise and relief from making the same mistakes repeatedly
Voice over Internet Protocol Security IS-VO-1	Focused for ISSEs, to understand VoIP systems and functions and what implementation means in the enterprise	Allows successful implementation and use of VoIP systems safely and securely