
Information Assurance & Security 2

Information Security Careers

Surveying Information Security Careers and the Security + Certification

- Today, businesses and organizations require employees and even prospective applicants
 - To demonstrate that they are familiar with computer security practices
- Many organizations use the CompTIA Security+ certification to verify security competency

Types of Information Security Jobs

Information Assurance (IA)

- A superset of information security including security issues that do not involve computers
- Covers a broader area than just basic technology defense tools and tactics
- Also includes reliability, strategic risk management, and corporate governance issues such as privacy, compliance, audits, business continuity, and disaster recovery
- Is interdisciplinary; individuals who are employed in it may come from different fields of study

Types of Information Security Jobs (continued)

Information security, also called computer security

- Involves the tools and tactics to defend against computer attacks
- Does not include security issues that do not involve computers

Two broad categories of information security positions

- Information security managerial position
- Information security technical position

Title	Position in Organization	Responsibilities	Average Salary
Chief Information Security Officer (CISO)	Reports directly to the CIO (large organizations may have more layers of management between); other titles "Manager for Security" and "Security Administrator"	The assessment, management, and implementation of security	\$140,000
Security manager	Reports to CISO and supervises technicians, administrators, and staff	Work on tasks identified by CISO and resolves issues identified by technicians; requires understanding of configuration and operation but not necessarily technical mastery	\$75,000
Security administrator	Between security manager and security technician	Has both technical knowledge and managerial skills; manages daily operations of security technology; may analyze and design security solutions within a specific entity; identifies users' needs	\$64,000
Security technician	Generally entry-level position with technical skills	Provide technical support to configure security hardware, implement security software, diagnose and troubleshoot problems; focus on major security technology group	\$40,000

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