



Cyber Security Certification Training

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About the Program

This Cyber Security Professional training prepares you for one of the best and most sought-after certifications today. This certification is an important credential for security professionals to validate their skills and competencies for the deployment of a distinct information security structure to protect their companies from possible cyber security hazards. You will gain hands-on experience in solving real-world business problems by working on various real-time assignments and projects.

About Intellipaate

Intellipaate is one of the leading e-learning training providers with more than 600,000 learners across 55+ countries. We are on a mission to democratize education as we believe that everyone has the right to quality education.

Our courses are delivered by subject matter experts from top MNCs, and our world-class pedagogy enables learners to quickly learn difficult topics in no time. Our 24/7 technical support and career services will help them jump-start their careers in their dream companies.

Key Features



**30 HRS INSTRUCTOR-LED
TRAINING**



25 HRS SELF-PACED TRAINING



**60 HRS REAL-TIME
PROJECT WORK**



LIFETIME ACCESS



24/7 TECHNICAL SUPPORT



**INDUSTRY-RECOGNIZED
CERTIFICATION**



**JOB ASSISTANCE THROUGH
80+ CORPORATE TIE-UPS**



FLEXIBLE SCHEDULING

Career Support



SESSIONS WITH INDUSTRY MENTORS

Attend sessions from top industry experts and get guidance on how to boost your career growth



MOCK INTERVIEWS

Mock interviews to make you prepare for cracking interviews by top employers



GUARANTEED INTERVIEWS & JOB SUPPORT

Get interviewed by our 400+ hiring partners



RESUME PREPARATION

Get assistance in creating a world-class resume from our career services team



Why take up this course?

- To gain the ability to define the design, architecture, and management of an organization's security
- To perform data loss prevention and risk analysis
- To acquire an understanding of the security architecture, models, engineering, and cryptography
- To get familiar with network security and communications, identity and access management, operations, and security testing

Who should take up this course?

- IT Directors
- IT Security Consultants
- Security Auditors
- IT Managers
- Security Analysts
- Directors of Security
- Security Managers

- Network Architects
- Security Systems Engineers
- Security Architects
- Chief Information Security Officers

Program Curriculum

Cyber Security Training Course Content

1. SECURITY AND RISK MANAGEMENT

- Regulatory and legal issues
- Confidentiality, availability, and integrity concepts
- Principles of security governance
- Compliance and professional ethics
- Requirements of business continuity
- Policies of personnel security
- Threat modeling and risk considerations
- Security education, awareness, and training
- Security policies, standards, procedures, and guidelines

2. ASSET SECURITY

- Privacy protection
- Asset and information classification
- Ownership
- Data security controls and appropriate retention
- Requirements handling

3. SECURITY ARCHITECTURE AND ENGINEERING

- Security evaluation models
- Fundamental concepts of security models
- Security designs, architectures, and solution elements vulnerabilities

- Information systems security capabilities
- Using secure design principles for engineering processes
- Vulnerabilities of web-based and mobile systems
- Cryptography
- Vulnerabilities of cyber-physical systems and embedded devices
- Secure principles of facility and site design
- Physical security

4. COMMUNICATION AND NETWORK SECURITY

- Architectural design of a secure network
- Channels for secure communication
- Components of a secure network
- Network attacks

5. IDENTITY AND ACCESS MANAGEMENT (IAM)

- Logical/physical access to assets management
- Authentication and identification management
- Integrating identity as a third-party service
- Mechanism of authorization
- Provisioning life cycle's identity and access

6. SECURITY ASSESSMENT AND TESTING

- Test outputs (e.g., manual and automated)
- Security process data (e.g., operational and management controls)
- Vulnerabilities of security architectures
- Testing of security control
- Test and assessment strategies

7. SECURITY OPERATIONS

- Monitoring and logging activities
- Investigation requirements and support
- Incident management
- Resource provision
- Concepts of foundational security operations
- Recovery strategies
- Techniques of resource protection
- Physical security
- Measures of prevention
- Vulnerability and patch management
- Processes of change management
- Exercises and planning of business continuity
- Personnel safety concerns
- Plans and processes for disaster recovery

8. SOFTWARE DEVELOPMENT SECURITY

- Security controls for development environment
- Software development life cycle security
- Impact of acquired software security
- Effectiveness of software security

Project Work

Cyber Security Projects Covered

Project 1: Security Improvement

Domain: Security Branches

Problem statement: As an IT professional, make necessary improvements in the security branches

Topics: Physical security, security control testing, and security governance

Highlights:

- Implementing physical security
- Performing security control testing
- Understanding security governance

Project 2: Security Architectural Requirements

Domain: Security Architecture

Problem statement: As a manager of a leading enterprise, analyze the current security architectural requirements of the organization

Topics: Software security effectiveness, security architecture vulnerability, and security requirements

Highlights:

- Understanding the effectiveness of software security
- Handling security requirements
- Adapting security architecture vulnerabilities

Certification

After the completion of the course, you will get a certificate from IntelliPaat.



CERTIFICATE OF COMPLETION

This certificate is awarded to

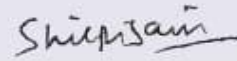
Your Name

Who has successfully completed

Course Name

Fulfilling all the requirements stipulated by IntelliPaat to achieve professional excellence.

Issued Date: Month XX, XXXX



Mrs. Shilpi Jain
Director,
intellipaate Software Solutions Pvt. Ltd.

VERIFIED
CERTIFICATE

Certificate ID #94658291

Success Stories



Kevin K Wada

Thank you very much for your top-class service. A special mention should be made for your patience in listening to my queries and giving me a solution, which was exactly what I was looking for. I am giving you a 10 on 10!



Sampson Basoah

The Intellipaateam helped me in selecting the perfect course that suits my profile. The whole course was practically oriented, and the trainers were always ready to answer any question. I found this course to be impactful. Thank you.



Vishal Pentakota

The best part of this course is the series of hands-on demonstrations that the trainer performed. Not only did he explain each concept theoretically, but he also implemented all those concepts practically. Great job! A must go for beginners.



Rinki Dutta

The Cyber Security online training course I completed with Intellipaateam was great. The trainer was really helpful in explaining all topics in depth. I was able to understand the topics clearly. The trainer also used real-life examples to explain complicated modules and topics. The online sessions were also extremely helpful.

CONTACT US

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If you have any further queries or just want to have a conversation with us, then do call us.

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