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# COMPTIA SECURITY+ CERTIFICATION COURSE

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With the massive amounts of data transmitted and stored on networks throughout the world, it's essential to have effective security practices in place.

## COURSE DESCRIPTION:

As a benchmark for best practices in IT security, this certification covers the essential principles for network security and risk management – making it an important stepping stone for an IT security career.

This instructor-led, hands-on course focuses on security in the areas of enterprise infrastructure and operations, cryptography, telecommunications and applications. Students learn how to identify security risks, protect organization's systems and data by deploying firewalls, data encryption and other countermeasures, and how to protect users from hostile applications.

Students will be prepare for the COMPTIA's Security+ Certification Exam: SY0-401.

## ADMISSION REQUIREMENTS:

- Basic computer skills
- Network+ Certification or equivalent experience

## COURSE TOPICS:

### Network Security

- Implement security configuration parameters on network devices and other technologies
- Secure network administration principles
- Network design elements and components
- Implement common protocols and services
- Troubleshoot security issues related to wireless networking

## Compliance and Operational Security

- The importance of risk related concepts
- Security implications of integrating systems and data with third parties
- Implement appropriate risk mitigation strategies
- Basic forensic procedures
- Common incident response procedures
- The importance of security related awareness and training
- Contrast of physical security and environmental controls
- Risk management best practices
- The appropriate control to meet the goals of security

## Threats and Vulnerabilities

- Types of malware and various types of attacks
- Social engineering attacks and the associated effectiveness with each attack
- Types of wireless and application attacks
- Mitigation and deterrent techniques
- Discover security threats and vulnerabilities
- The proper use of penetration testing versus vulnerability scanning

## Reviews

- Review Network Security
- Review Compliance and Operational Security
- Review Threats and Vulnerabilities
- Review applications, data and host security
- Review access control and identity management
- Review Cryptography
- Operational Procedures

## Applications, Data and Host Security

- The importance of application security controls and techniques
- Mobile security concepts and technologies
- Solution to establish host security
- Implement the appropriate controls to ensure data security
- Contrast of alternative methods to mitigate security risks in static environments Use of appropriate networking tools

## Access Control and Identity Management

- Contrast of the function and purpose of authentication services
- Authentication, authorization or access control
- Install and configure security controls when performing account management, based on best practices

## Cryptography

- General cryptography concepts
- Appropriate cryptographic methods

## Operational Procedures

- Appropriate safety procedures
- Environmental impacts and the purpose of environmental controls
- Proper communication and professionalism
- Fundamentals of dealing with prohibited content/activity

## CAREER WORKSHOP

- Resume and Cover Letter
- Interview skills and phone etiquette
- Mock Interview
- Job Search
- Career path in a workplace
- Salary Negotiation

## BENEFIT OF BTT COLLEGE

- 100% Job Assistance
- Instructor-led classes, hands-on
- Real software to test on: E-commerce Software

**DURATION:**

- 30 Hours

**SCHEDULE:**

- For scheduling details, please visit: [http://www.bttcollege.com/schedules/it\\_schedule.pdf](http://www.bttcollege.com/schedules/it_schedule.pdf)

**CONTACT INFORMATION:**

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**REGISTRATION:**

- Contact us for registration
- Download registration form visit: [www.bttcollege.com/registration.pdf](http://www.bttcollege.com/registration.pdf)

