

CompTIA Security+

Course duration	40 hours
Class duration	8 hours
Delivery mode	Instructor-led (classroom/online)

CompTIA Security+ / Exam: SY0-601		
Main Topic	Sub-Topic	Duration (hrs)
Threats, Attacks, and Vulnerabilities	Compare and contrast different types of social engineering techniques	8
	Analyze potential indicators to determine the type of attack	
	Analyze potential indicators associated with application attacks	
	Analyze potential indicators associated with network attacks	
	Explain different threat actors, vectors, and intelligence source	
	Explain the security concerns associated with various types of vulnerabilities	
	Summarize the techniques used in security assessments	
	Explain the techniques used in penetration testing	
Architecture and Design	Explain the importance of security concepts in an enterprise environment	8
	Summarize virtualization and cloud computing concepts	
	Summarize secure application development, deployment, and automation concepts	
	Summarize authentication and authorization design concepts	
	Implement cybersecurity resilience	
	Explain the security implications of embedded and specialized systems	
	Explain the importance of physical security controls	
	Summarize the basics of cryptographic concepts	
Implementation	Implement secure protocols	8
	Implement host or application security solutions	
	Implement secure network design	
	Install and configure wireless security settings	
	Implement secure mobile solutions	
	Apply cybersecurity solutions to the cloud	
	Implement identity and account management controls	
	Implement authentication and authorization solutions	
	Implement public key infrastructure	

Operations and Incident Response	Use the appropriate tool to assess organizational security	8
	Summarize the importance of policies, processes, and procedures for incident response	
	Utilize appropriate data source to support an investigation	
	Apply mitigation techniques or controls to secure an environment	
	Explain the key aspects of digital forensics	
Governance, Risk, and Compliance	Compare and contrast various types of controls	8
	Explain the importance of applicable regulations, standards, or frameworks that impact organizational security posture	
	Explain the importance of policies to organizational security	
	Summarize risk management processes and concepts	
	Explain privacy and sensitive data concepts in relation to security	
Total Course Duration (hrs)		40