

CYBER SECURITY EXPERT

Course Outline





Program Overview:

Simplilearn's Cyber Security Expert program will provide you all the required skills and knowledge needed to become an expert in this fast-growing field. This program provides the foundation for advanced-level skills through industry-leading certification courses.

Program Highlights

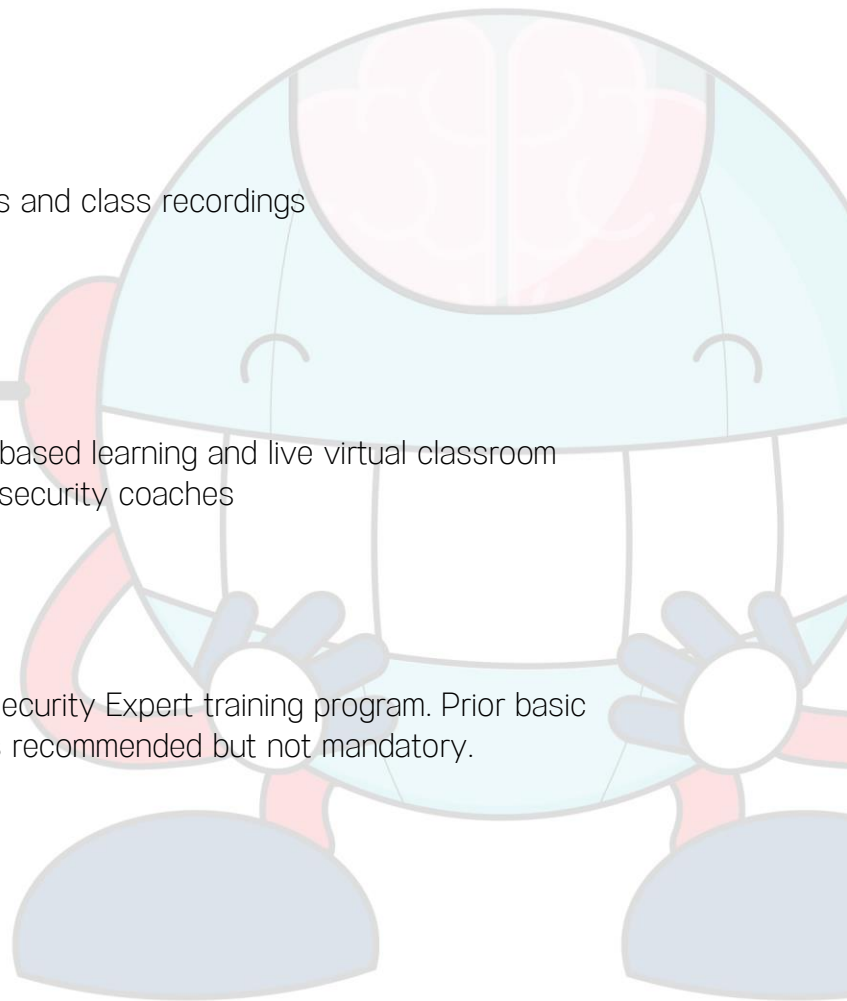
- 96+ hours of live online classes
- 64+ hours of elearning content
- Lifetime access to self-paced videos and class recordings

Program Delivery Method:

Online Bootcamp- Online self-paced video-based learning and live virtual classroom conducted by the industry's leading cyber security coaches

Prerequisites:

There are no prerequisites for this Cyber Security Expert training program. Prior basic knowledge of any programming language is recommended but not mandatory.





Skills Covered:

- Secure networks and applications
- Perform threat analysis
- Risk management
- Cryptography
- Identity and access management
- LAN
- Secure protocols
- Vulnerability scanning assessment
- Incident response
- Trojans, backdoors, and countermeasures
- IDS, firewalls, and honeypots
- Advanced hacking concepts
- Network packet analysis
- Mobile and web technologies
- Advanced log management
- Information security governance
- Information security incident management
- Design security architecture
- Knowledge of ISACA® domains
- Information security programs
- Enterprise IT frameworks
- Security and risk management
- Asset security Security architecture and design
- Cryptography OSI and TCP IP models





- IP addresses
- Network security
- Identity and access management
- Security assessment and testing
- Software development security

Who Will Benefit:

This Cyber Security Expert program is ideal for working professionals across various industries.

Professionals who this program caters to:

- Penetration testers or IT auditors
- Security consultants or managers
- IT directors, managers, or consultants
- Security auditors or architects
- Security systems engineers
- Chief information security officers (CISOs)
- Chief compliance or privacy or risk officers
- Network specialists, managers, analysts, architects, consultants, or administrators
- Technical support engineers
- Systems analysts or administrators

Key Learning Outcomes

- Learn how to execute many functions such as installing, configuring, and deploying public key infrastructure and network components
- Gain expertise about advanced hacking concepts to manage information security
- Design security frameworks and architectures for a secure IT operation
- Create cloud data storage security strategies and architectures, and utilize



them to
analyze risks

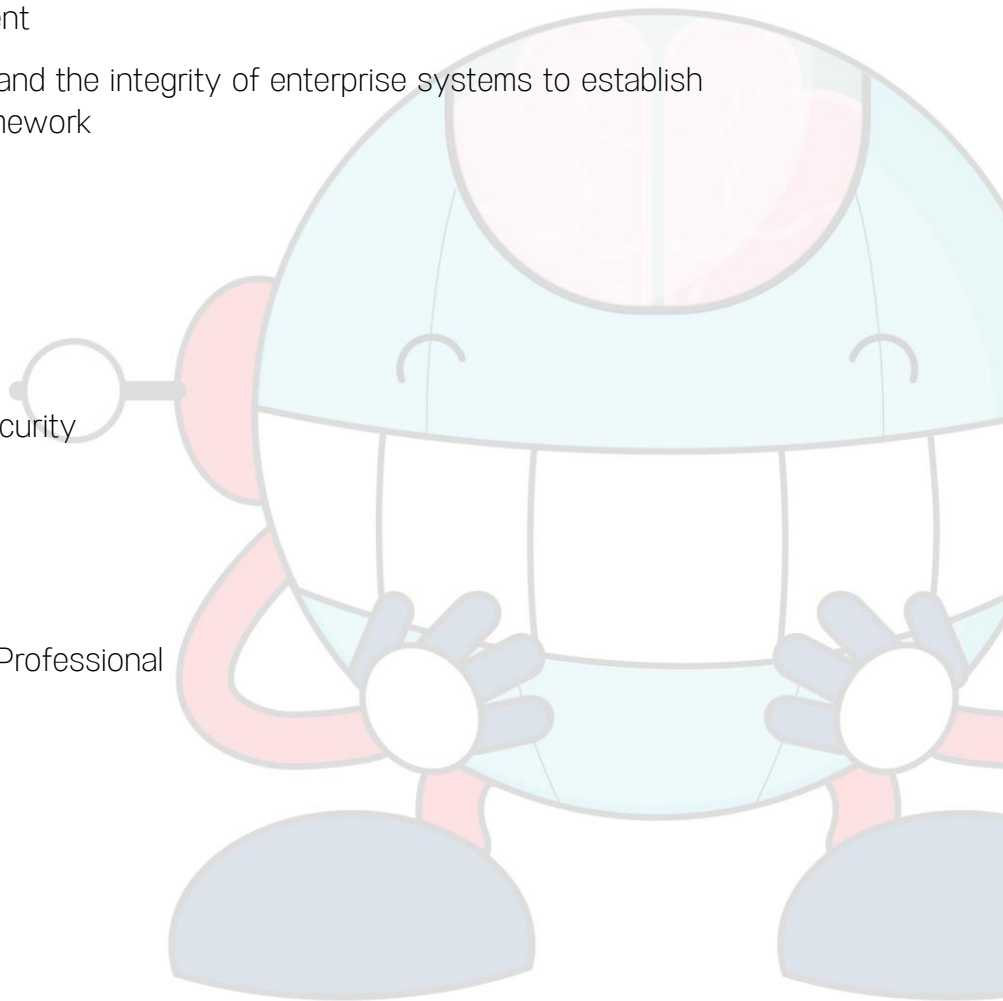
- Protect data movement, perform disaster recovery, manage client databases and access CSP security
- Implement technical strategies, techniques, and tools to secure data and information for your organization
- Adhere to ethical security standards for risk mitigation and analysis
- Understand security in cloud computing architecture in-depth
- Comprehend privacy issues, legal requirements, and audit process methodologies within a cloud environment
- Focus on IT compliance and the integrity of enterprise systems to establish secure enterprise IT framework

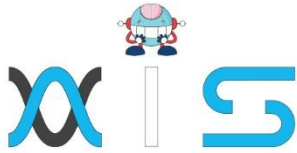
Learning Path:

1. Introduction to Cyber Security
2. CompTIA Security+ 501
3. Certified Ethical Hacker
4. CISM®
5. CISSP®
6. Certified Cloud Security Professional

Elective:

1. CompTIA Network+





AIS

With the rising demand in scalable technology, AIS provides tailored goal-setting based on your organization's needs and expectations. With products geared towards the growing needs of your organization's customers and employees, AIS has innovative and value-driven solutions.

Learning Partners



SAS Management, Inc.

SAS Management, Inc. has been a leader in the training, certification and consulting services industry in the Philippines. With offices in Makati, Ortigas and Cebu, Philippines, the company has been the top training and consulting company for over 9 years. In its years of existence, it has provided certificates to over 100,000 professionals including 10,000 participants in the 160+ courses that have been conducted just during the 2020-2021 pandemic alone. The most sought-after courses being offered are ITIL, Project Management Professional (PMP)®, COBIT 5, Six Sigma Yellow Belt, Six Sigma Green Belt, PRINCE2, and organizational skills, among others.



Simplilearn

Simplilearn, based in California and India, is the world's #1 online bootcamp and one of the world's the leading certification and training providers. Simplilearn trained over 2,000,000 professionals with 2,000+ trainers and provides over 400 different courses.

Technology Partner



Freshworks

With over 40,000 customers, Freshworks is a business solutions software provider with products ranging from IT helpdesk and service desk, customer relationship management, live chat, marketing automation, phone system, and HR.

Partners & Affiliates



PECB

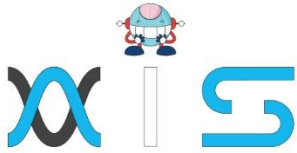
SDI Service Desk Institute

EC-COUNCIL

MIT Massachusetts Institute of Technology



P PURDUE UNIVERSITY



The program presented, as well as a wide range of programs are products of the partnership of AIS, SAS Management, Inc., and Simplilearn. With a common goal of providing the best practice of facilitating learning with an array of choices available in the online platform in this time of digitization.

Office Addresses

NXT AIS Inc.

Juan Antonio III Building
315 Maysilo Circle, Mandaluyong, Philippines

SAS Management, Inc.

- **Head Office**

Unit 1602 Cityland 10 Tower
2 6815 HV dela Costa cor Ayala Avenue
Makati City, Philippines

- **Branch Office**

Unit 204 Villa Building
Jupiter St. corner Makati Avenue
Makati City, Philippines

- **Branch Office**

Room 201 2nd floor OLS Building
443 Gorordo Avenue., Brgy. Kamputhaw
Cebu City, Philippines

- **Branch Office**

Malaysia - SAS Management
Sdn Bhd 6f-16, IOI Business Park,
Persiaran Puchong Jaya
47170, Selangor

Simplilearn

- **Simplilearn Americas, Inc
Pvt Ltd.**

201 Spear Street, Suite 1100,
San Francisco, CA 94105 United States

- **Simplilearn Solutions
Pte Ltd.**

NALANDA 53/1 C, Manoj Arcade, 24th Main Rd,
Sector 2, HSR Layout, Bengaluru
560102, Karnataka, India.

- **Simplilearn Singapore**

#14-302, The Plaza, 7500A Beach Rd,
Singapore 199591