

# Postgraduate Program in Cyber Security

University Program

Course Outline





## Course Overview:

Accelerate your career with this Post Graduate Program in Cyber Security. This program features a mix of theory, case studies, and extensive hands-on practice to prepare you for an exciting career in cyber security. You will master CompTIA Security+, CEH, and CISSP, and learn how to protect your infrastructure by securing data and information, running risk analysis, architecting cloud-based security, and achieving compliance.

## Key Features:

- **Online Classes**
  - 110+ hours of instructorled online classes
- **Content**
  - 40 hours of e-learning content
- **Applied Learning**
  - 150+ hours of applied learning
- **Certification**
  - Simplilearn Post Graduate Certification
- **Projects**
  - Capstone Project in 3 domains
- **Community**
  - MIT CSAIL Professional Programs Community
- **Learning Kit**
  - EC Council Learning Kit
- **Faculty**
  - Masterclasses from MIT Faculty

## About the Post Graduate Program in Cyber Security

This Post Graduate Program in Cyber Security equip you with the skills needed to become an expert in this rapidly growing domain. This program also contains two major modules from MIT SCC and EC- Council which helps to develop a 360-degree view of the cybersecurity domain that now comprises a wide array of security components and technologies.



## About Massachusetts Institute of Technology (MIT) Schwarzman College of Computing:

Founded in 1861, MIT adopted a European polytechnic university model and stressed laboratory instruction in applied science and engineering. It has since played a key role in the development of many aspects of modern science, engineering, mathematics, and technology, and is widely known for its innovation and academic strength, making it one of the most prestigious institutions of higher learning in the world.

MIT also places among the top five in many overall rankings of universities along with Times Higher Education has recognized MIT as one of the world's "six super brands" on its World Reputation Rankings. In 2019, it ranked 3rd among the universities around the world by SCImago Institutions Rankings. In 2017, the Times Higher Education World University Rankings rated MIT the #2 university for arts and humanities. MIT was ranked #7 in 2015 and #6 in 2017 of the Nature Index Annual Tables, which measure the largest contributors to papers published in 82 leading journals.

## About EC Council:

The International Council of Electronic Commerce Consultants (EC-Council) is a professional organization that certifies individuals in various e-business and information security skills. EC-Council is best known for its professional certifications for the IT security field. Its certifications CEH, CHFI, CCISO, CND About the Post Graduate Program in Cyber Security 6 | are ANSI accredited. Many of these certifications are recognized worldwide and have received endorsements from various government agencies including the U.S. Federal Government via the Montgomery GI Bill, National Security Agency (NSA), and the Committee on National Security Systems (CNSS).

Upon completing this program, you will receive:

- Simplilearn Post Graduate Certification
- Individual course completion certificate for all the courses in learning path from Simplilearn
- Executive Program Certification from MIT Schwarzman College of Computing
- Certified Ethical Hacker Certificate from EC Council
- MIT CSAIL Professional Programs Community



## Program Eligibility Criteria and Application Process:

Those wishing to enroll in this Post Graduate Program in Cyber Security will be required to apply for admission.

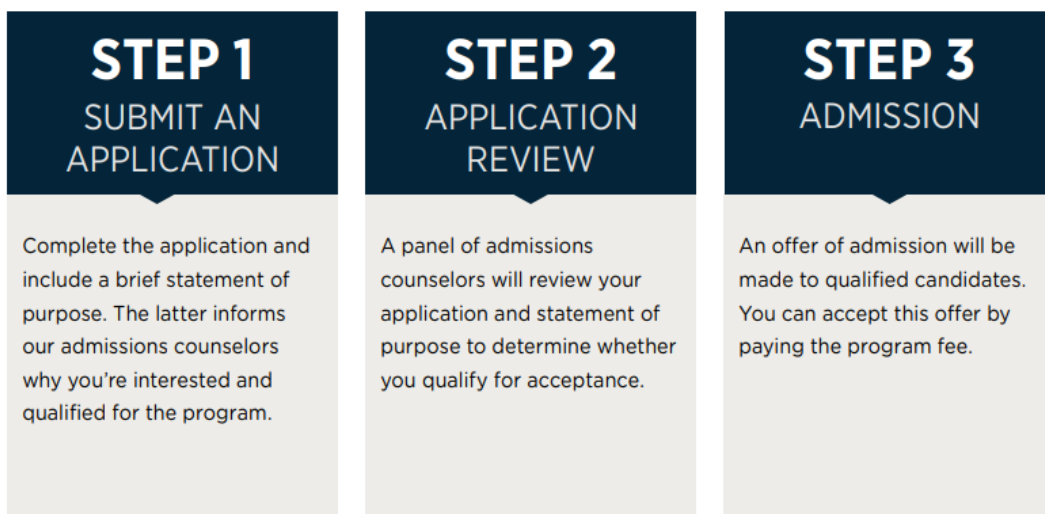
### Eligibility Criteria

For admission to this Post Graduate Program in Cyber Security, candidates:

- Should have a bachelor's degree in any discipline with an average of 50% or higher marks
- With a non-programming background can also apply
- Having prior work experience is not mandatory

### Application Process

The application process consists of three simple steps. An offer of admission will be made to the selected candidates and accepted by the candidates by paying the admission fee.





## Talk to an Admissions Counselor

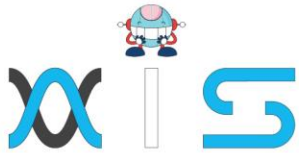
We have a team of dedicated admissions counselors who are here to help guide you in applying to the program. They are available to:

- Address questions related to the application
- Assist with financial aid (if required)
- Help you resolve your questions and understand the program

## Program Outcomes:

This Post Graduate Program in Cyber Security is designed for those who want to expertise their technical and programming skills to handle security challenges. Our comprehensive program includes EC Council's renowned Certified Ethical Hacking v11 course.

- Install, configure and deploy public key infrastructure and network components while assessing and troubleshooting issues to support organizational security
- Master advanced hacking concepts to manage information security efficiently
- Design security architecture and framework for a secure IT operation
- Frame cloud data storage architectures and security strategies, and utilize them to analyze risks
- Protect data movement, perform disaster recovery, access CSP security and manage client databases
- Implement technical strategies, tools, and techniques to secure data and information for your organization
- Adhere to ethical security behaviour for risk analysis and mitigation
- Understand security in cloud computing architecture in depth
- Comprehend legal requirements, privacy issues and audit process methodologies within the cloud environment
- Focus on IT compliance and the integrity of enterprise systems to establish a more secure enterprise IT framework



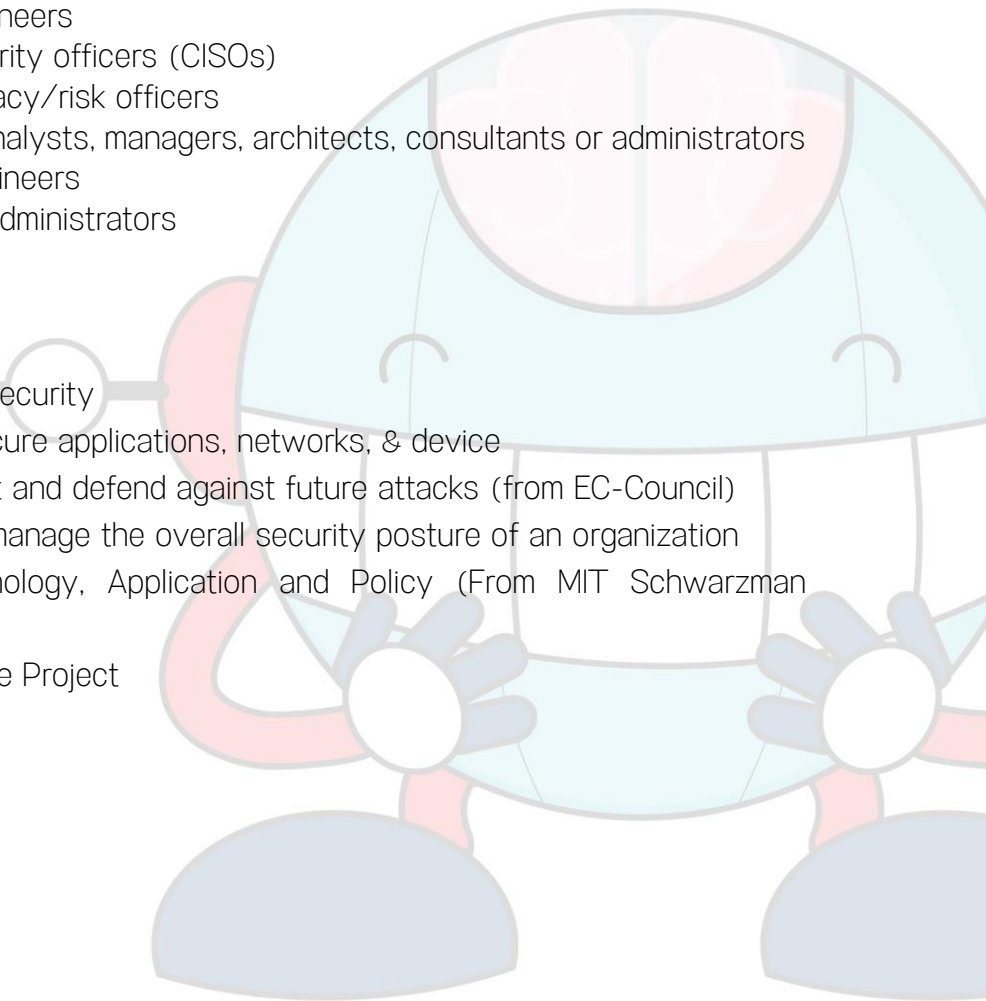
## Who should enroll in this Program?

This program caters to those who are hoping to enter the world of Cyber Security or want to update their skills, as it is designed and structured to accommodate various professional backgrounds. Although there are no prerequisites for taking this training program, individuals in the following roles and disciplines are ideal for this course:

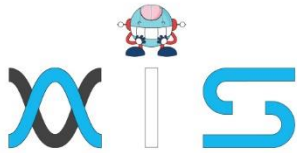
- All levels of IT auditor/penetration tester
- Security consultants/managers
- IT directors/managers/consultants
- Security auditors/architects
- Security systems engineers
- Chief information security officers (CISOs)
- Chief compliance/privacy/risk officers
- Network specialists, analysts, managers, architects, consultants or administrators
- Technical support engineers
- Systems analysts or administrators

## Learning Path:

1. Introduction to Cybersecurity
  2. Design systems to secure applications, networks, & device
  3. Build a Hacker Mindset and defend against future attacks (from EC-Council)
  4. Design, engineer and manage the overall security posture of an organization
  5. Cybersecurity- Technology, Application and Policy (From MIT Schwarzman College of Computing)
  6. CybersecurityCapstone Project
- (★) PGP Certificate







## 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

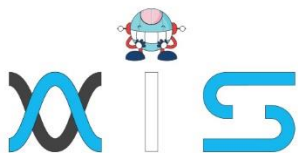


PECB

SDI Service Desk Institute

EC-COUNCIL





*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