

# INFORMATION TECHNOLOGY CYBERSECURITY - CERTIFICATE OF ACHIEVEMENT

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Plan Code: 3105

This program combines systems administration fundamentals with the requisite security concepts and effective practices required to implement, administer, and harden operating systems.

## Program Student Learning Outcomes

- Demonstrate the ability to install, configure, manage and troubleshoot a small office or home office network (wired or wireless).
- Demonstrate the ability to secure wired and wireless networks.
- Demonstrate the ability to install, configure and manage client and server operating systems.
- Demonstrate the ability to harden servers against intrusion.

## Program Requirements

Code Number	Course Title	Units
<b>REQUIRED COURSES</b>		
COSN 5	Computer Hardware Fundamentals	4
COSN 10	Networking Fundamentals	3
COSN 205	UNIX/LINUX Fundamentals	4
COSN 206	Scripting Fundamentals	3
COSN 253	Security in Amazon Web Services	3
COSS 71	Network Security Fundamentals	3
COSS 272	Computer Forensics and Investigation	3
COSS 273	Ethical Hacking and Countermeasures	4
<b>Total Units</b>		<b>27</b>