

# INFORMATION TECHNOLOGY - CYBERSECURITY LEVEL 1 CERTIFICATE

This Level 1 certificate gives students foundation knowledge of cybersecurity techniques required for the field. The primary emphasis of the curriculum is hands-on training in information assurance for network hardware, software and data, including physical security, backup procedures, relevant tools, encryption and incident handling and reporting. Students who successfully complete the following courses and the capstone requirement can be awarded this certificate.

This certificate program can also be used to complete the Level 2 Cybersecurity certificate and for completion of the Information Technology A.A.S. – Cybersecurity Option. Students must adhere to prerequisite courses as described in the course descriptions in this catalog.

**Program:** Information Technology

**Type:** Certificate

## FIRST SEMESTER

\* ITCC 1314 and ITCC 1344 are 8 week courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ITCC 1314	CCNA1: Introduction to Networks	3
ITCC 1344	CCNA 2: Switching, Routing, and Wireless Essentials	3
ITDF 1300	Introduction to Digital Forensics	3
ITNW 1313	Computer Virtualization	3
ITSY 1342	Information Technology Security	3
ENGL 2311	Technical & Business Writing (single-semester course)	3

## SECOND SEMESTER

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ITSC 1316	Linux Installation and Configuration	3
ITSE 1359	Introduction to Scripting Languages	3
ITSY 2300	Operating Systems Security	3
ITSY 2301	Firewalls and Network Security	3
ITSY 2330	Intrusion Detection	3
	<b>Total credits:</b>	<b>33</b>