

## Networking - Cybersecurity Specialization Level 1 Certificate

As technologies continue to expand, the skills of a Network Administrator play a key role in ensuring that an organization’s computer systems are safeguarded against cybercrime, and that systems, networks, and technologies are reliable and conducive to business operations. Through the Network Administrator program at Angelina College, you will be prepared with key competencies needed in the workplace of tomorrow. All courses in the Level 1 (L1) certificate are applicable to the associate of applied science in the network administrator degree (AAS). The level 1 certificate program in cybersecurity at Angelina College is for students who wish to gain a general limited background required for many entry level network-related positions. The network administration curriculum provides a career path sequence of courses and awards that build upon each other. Completion of this certificate prepares a student for industry certifications such as CompTIA Security+, CompTIA Linux +, CompTIA A+, CompTIA CySA+, and Cisco Certified CyberOps Associate (CBROPS).

### Program Learning Outcomes (PLO)

PLO 1: Assemble networking devices to include hardware and operating system software.

PLO 2: Safeguard network devices, protocols, and services.

PLO 3: Appraise network performance to improve reliability of network services.

PLO 4: Synthesize data for systematization of network services.

### Courses Measuring the Achievement of Program Learning Outcomes

<u>Course</u>	<u>PLO 1</u>	<u>PLO 2</u>	<u>PLO 3</u>	<u>PLO 4</u>
ITCC 1414 (L1: Cybersecurity Specialization)	X			
ITSY 1342 (L1: Cybersecurity Specialization)		X		
ITSY 2430 (L1: Cybersecurity Specialization)			X	
ITCC 2343 (L1: Cybersecurity Specialization)				X

## Networking - Cybersecurity Specialization Level 1 Certificate Recommended Academic Plan

1ST YEAR, 1ST SEMESTER			Credit Hours	✓
<i>Full Term</i>				
ITCC	1414	CCNA 1: Introduction to Networks	4	<input type="checkbox"/>
<i>Term 1</i>				
ITSC	1316	Linux Installation and Configuration	3	<input type="checkbox"/>
<i>Term 2</i>				
ITSC	1305	Introduction to PC Operating Systems	3	<input type="checkbox"/>
1ST YEAR, 2ND SEMESTER				
<i>Term 1</i>				
ITCC	2343	Network Security	3	<input type="checkbox"/>
ITSY	1342	Information Technology Security	3	<input type="checkbox"/>
<i>Term 2</i>				
ITSY	2430	Intrusion Detection	4	<input type="checkbox"/>
<b>* Earned:</b>	<b>Networking - Cybersecurity Specialization Level 1 Certificate</b>		<b>Total Hours</b>	<b>20</b>