

Cisco Certified Network Associate (CCNA) 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 networking 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 Server+ and Cisco CCNA (Certified Network Associate).

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: CCNA)	X			
ITSC 1444 (L1: CCNA)		X		
ITNW 1454 (L1:CCNA)			X	
ITCC 2420 (L1: CCNA)				X

Cisco Certified Network Associate (CCNA) 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>				
ITNW	1454*	Implementing and Supporting Servers BCIS 1305* Business Computer Applications or ITSC 1305* Intro to PC Operating Systems	4	<input type="checkbox"/>
1ST YEAR, 2ND SEMESTER				
<i>Term 1</i>				
ITCC	1444	CCNA 2: Switching, Routing, and Wireless Essentials	4	<input type="checkbox"/>
<i>Term 2</i>				
ITCC	2420	CCNA 3: Enterprise Networking, Security and Automation	4	<input type="checkbox"/>
* Earned: Cisco Certified Network Associate (CCNA) Level 1 Certificate			Total Hours	16

*BCIS 1305 is for Electronics Technology majors, ITSC 1305 is for Network majors.