

Network Administration

The Associate of Applied Science in Network Administration program provides graduates with the necessary skills for careers in information technology and networking in various industries, including healthcare, financial services, education, entertainment, and more. Possible careers include network administrator, network engineer, network installer, network technician, and IT technician. The administrator's job includes network protocols, routing, switching, wireless, troubleshooting, and other advanced technologies. The network administration program leads to target jobs in Deep East Texas.

Program Learning Outcomes (PLO)

After completing the Associate of Applied Science in Network Administration, students will be able to:

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 the reliability of network services.

PLO 4: Synthesize data for systematization of network services.

PLO 5: Identify job skills required to gain employment in the technology field.

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>	<u>PLO 5</u>
ITCC 1444	X				
ITSY 1342		X			
ITNW 1453			X		
ITCC 2343				X	
ITNW 2264					X

NETWORK ADMINISTRATION AAS RECOMMENDED ACADEMIC PLAN

1ST YEAR, 1ST SEMESTER

			Credit Hours	✓
<i>Term 1</i>				
STSU	0300	Student Success	0	☐
ITSC	1305	Introduction to PC Operating Systems	3	☐
<i>Term 2</i>				
ITSY	1342	Information Technology Security	3	☐
ITNW	1454	Implementing and Supporting Servers	4	☐
<i>Full Term</i>				
ITCC	1414	CCNA 1: Introduction to Networks	4	☐
			14	

1ST YEAR, 2ND SEMESTER

<i>Term 1</i>				
ITCC	1444	CCNA 2: Switching, Routing, and Wireless Essentials	4	☐
ARTS	1301	Art Appreciation	3	☐
<i>Term 2</i>				
ITCC	2420	CCNA 3: Enterprise Networking, Security and Automation	4	☐
ITNW	1336	Cloud Deployment and Infrastructure Management	3	☐
* Earned:			Level 1 Certificate - Cisco Certified Network Associate	14

1ST YEAR, SUMMER SEMESTER

<i>Term 1</i>				
SOCI	1301	Introduction to Sociology	3	☐
<i>Term 2</i>				
ENGL	1301	Composition I	3	☐
			6	

2ND YEAR, 1ST SEMESTER

<i>Term 1</i>				
ITSC	1316	Linux Installation and Configuration	3	☐
ITNW	1453	Supporting Network Server Infrastructure	4	☐
<i>Term 2</i>				
ITNW	2405	Network Administration	4	☐
MATH	1314	College Algebra	3	☐
* Earned:			Level 1 Certificate - Cybersecurity Specialization Academic Plan	14

 **Apply for Graduation**

2ND YEAR, 2ND SEMESTER

<i>Term 1</i>				
SPCH	1318	Interpersonal Communication	3	☐
ITSY	2430	Intrusion Detection	4	☐
<i>Term 2</i>				
ITCC	2343	Network Security	3	☐
<i>Full Term</i>				
ITNW	2264	Practicum: Computer Systems Networking and Telecommunications	2	☐
			12	

* **Earned:** **Associate of Applied Science in Network Administration**

**Total
Hours 60**