

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 1414	X				
ITSY 2420		X			
ITSY 1342			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	<input type="checkbox"/>
ITSC	1305	Introduction to PC Operating Systems		3	<input type="checkbox"/>
<i>Term 2</i>					
ITSY	1342	Information Technology Security		3	<input type="checkbox"/>
ITNW	1454	Implementing and Supporting Servers		4	<input type="checkbox"/>
<i>Full Term</i>					
ITCC	1414	CCNA 1: Introduction to Networks		4	<input type="checkbox"/>
				14	
1ST YEAR, 2ND SEMESTER					
<i>Term 1</i>					
ITCC	1444	CCNA 2: Switching, Routing, and Wireless Essentials		4	<input type="checkbox"/>
XXXX	X3XX	Creative Arts Core Choose from: ARTS 1301, DRAM 1310, MUSI 1306, OR MUSI 1310		3	<input type="checkbox"/>
<i>Term 2</i>					
ITCC	2420	CCNA 3: Enterprise Networking, Security and Automation		4	<input type="checkbox"/>
ITNW	1336	Cloud Deployment and Infrastructure Management		3	<input type="checkbox"/>
* Earned: <i>Level 1 Certificate - Cisco Certified Network Associate</i>				14	
1ST YEAR, SUMMER SEMESTER					
<i>Term 1</i>					
SOCI	1301	Introduction to Sociology		3	<input type="checkbox"/>
<i>Term 2</i>					
ENGL	1301	Composition I		3	<input type="checkbox"/>
				6	
2ND YEAR, 1ST SEMESTER					
<i>Term 1</i>					
ITSC	1316	Linux Installation and Configuration		3	<input type="checkbox"/>
ITNW	1453	Supporting Network Server Infrastructure		4	<input type="checkbox"/>
<i>Term 2</i>					
ITNW	2405	Network Administration		4	<input type="checkbox"/>
MATH	1314	College Algebra		3	<input type="checkbox"/>
* Earned: <i>Level 1 Certificate - Cybersecurity Specialization Academic Plan</i>				14	
 Apply for Graduation					
2ND YEAR, 2ND SEMESTER					
<i>Term 1</i>					
SPCH	1318	Interpersonal Communication		3	<input type="checkbox"/>
ITSY	2430	Intrusion Detection		4	<input type="checkbox"/>
<i>Term 2</i>					
ITCC	2343	Network Security		3	<input type="checkbox"/>
<i>Full Term</i>					
ITNW	2264	Practicum: Computer Systems Networking and Telecommunications		2	<input type="checkbox"/>
				12	
* Earned: <i>Associate of Applied Science in Network Administration</i>				<div>Total Hours60</div>	