

# Information Technology - Server Administration Track

The Associate of Applied Science degree in Information Technology: Server Administration focuses on the computerized technologies that are critical to business and industry. This program provides students with the ability to administer a variety of computer networks. Graduates will have an understanding of network operating systems, PC connectivity, network resources, network utilities, and network administration. In addition to an understanding of networks, students will also obtain comprehensive training in the administration of specific operating systems including Linux, numerous Microsoft network operating systems, and other network utilities. Students will cover aspects of the Microsoft Certified Solutions Associate (MCSA) and well as CompTIA Linux+, Net+, Security+, and A+ certifications.

## Career Opportunities

1. Computer Support Specialist
2. Information Systems Manager
3. Network Administrator
4. Network Service Technician
5. Systems Engineer

## Program Objectives

Upon completion of the program, the student will be able to:

1. Demonstrate general computer and networking knowledge.
2. Provide accurate technical explanations of the major components of a computer and the devices used in creating a network environment.
3. Perform routine network administrative tasks, including operating system installs and upgrades, configuration, administration and troubleshooting.
4. Identify, organize, plan and allocate resources and the different level of address assignment in in the computer network environment.
5. Identify, plan and allocate security in a network environment.
6. Apply strong communication and critical thinking skills, including reading, writing, organizing, evaluating, problem solving, and presentation skills.

## Obtaining the Degree

To earn the Associate of Applied Science degree, students must:

- Matriculate into the program.
- Satisfactorily complete all degree requirements, including General Education and Major Requirements.

**Pathway:** Computer Information Sciences

**Type:** Associate of Applied Science

# General Education Requirements

Course Code	Title	Credits
ACP 100	Academic and Career Planning	1
CIT 100	Microcomputer Applications	3
COM 101	Public Speaking	3
ENG 110	English Composition I**	3
LIF 111	Health and Wellness	3
MAT 145	College Algebra	3
	Elective - Science 3 or 4 Credits	3-4
	Elective - Social Science	3

## Science Electives (Choose one)

Course Code	Title	Credits
AST 100	Introduction to Astronomy	3
BIO 102	Life Science	3
	BIO 104 and BIO 114	4
CHM 106	Introductory Chemistry	4
CHM 120	General Chemistry I	4
	GLG 102 and GLG 103	4
	PHY 102 and PHY 103	4
	PHY 110 and PHY 111	4

## Social Science Electives (Choose one)

*(See Social Science Track I and Social Science Track II under Liberal Arts and Sciences for course options)*

## Required Courses

Course Code	Title	Credits
CIT 132	Local Area Networks	4
CIT 165	Hardware Components	3
CIT 166	Visual Basic Programming	3
CIT 173	Windows Enterprise Desktop Operating Systems	3
CIT 196	Database Management	3
CIT 202	Management Information Systems	3
CIT 222	Linux Operating System	3
CIT 226	Windows Server Management	4
CIT 233	Windows Enterprise Services	3
CIT 237	TCP/IP Connectivity and Troubleshooting	3
CIT 285	Network Administration Project	2
CIT 290	Network Administration Internship	3
CIT 292	Network Security	3

Course Sequencing

## Semester 1

Course Code	Title	Credits
ACP 100	Academic and Career Planning	1
CIT 100	Microcomputer Applications	3
CIT 132	Local Area Networks	4
CIT 173	Windows Enterprise Desktop Operating Systems	3
ENG 110	English Composition I**	3
	Elective - Social Science	3

## Semester 2

Course Code	Title	Credits
CIT 165	Hardware Components	3
CIT 196	Database Management	3
CIT 226	Windows Server Management	4
CIT 237	TCP/IP Connectivity and Troubleshooting	3
LIF 111	Health and Wellness	3

## Semester 3

Course Code	Title	Credits
COM 101	Public Speaking	3
CIT 166	Visual Basic Programming	3
CIT 292	Network Security	3
MAT 145	College Algebra	3
	Elective - Science 3 or 4 Credits	3-4

## Semester 4

Course Code	Title	Credits
CIT 202	Management Information Systems	3
CIT 222	Linux Operating System	3
CIT 233	Windows Enterprise Services	3
CIT 285	Network Administration Project	2
CIT 290	Network Administration Internship	3
	<b>Total credits:</b>	<b>62-63</b>