NORTHEAST STATE

We're here to get you there

Division of Technologies

2425 Hwy. 75 • P.O. Box 246
Blountville, Tennessee 37617-0246
800.836.7822 (Admissions and Records)
Fax 423.323.0215
www.NortheastState.edu
2022-2023

Computer Information Technology
Systems Administration and Management

An Associate of Applied Science Degree Program

PROGRAM DESCRIPTION

The Systems Administration and Management Concentration focuses on the design, implementation, management and troubleshooting of computer systems. Required courses prepare students to acquire, install, configure, upgrade and secure standalone, networked and mobile systems. Areas of emphasis include Windows and Linux/Unix operating systems.

The Computer Information Technology – Systems Administration and Management concentration is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).

> *701 Exposition Place, Suite 206*
> *Raleigh, NC 27615*
> *Telephone: 919.635.8335*

APPLICATION PROCEDURE

A student desiring to enroll in the Associate of Applied Science degree program in Computer Information Technology – Concentration: Systems Administration and Management must:

1. Submit the Northeast State Application for Admission to the Office of Admissions and Records.

2. Indicate Computer Information Technology – Concentration: Systems Administration and Management as the desired major on the Northeast State application form.

3. See a faculty advisor from the Computer Information Technology program prior to registering for classes.

ATMAE
The Association of Technology, Management, and Applied Engineering
LEAD • INNOVATE • COLLABORATE

TYPICAL PROGRAM OF STUDY

Course No.	Course Title	Credit
FALL		
CITC 1302	Introduction to Networking	3
EDUC 1030	College and Lifelong Learning	3
ENGL 1010	English Composition I	3
INFS 1010	Computer Applications	3
MATH 1530	Introductory Statistics	3
SPRING		
CITC 1300	Beginning HTML and CSS	3
CITC 1301	Introduction to Programming and Logic	3
CITC 1303	Database Concepts	3
CITC 1330	Microsoft Desktop OS	3
Elective	Communication (an approved elective from the general education core)	3
FALL		
CITC 1320	A+ Hardware & Software	3
CITC 1332	UNIX/Linux Operating System	3
CITC 2320	Windows Server Administration	3
CITC 2332	User Support/Help Desk	3
HUM 2350	Technology in Society	3
SPRING		
CITC 2326	Network Security	3
CITC 2390	CIT Capstone	3
CITC 2359	Data Center Management	3
ECON 2100	Principles of Macroeconomics	3
PHYS 1030	Survey of Physics	4
or		
PSCI 1010	Principles of Physical Science	4
Total Credit Hours		61

Additional courses may be required to overcome deficiencies in English, mathematics, and reading.

TYPICAL JOB OPPORTUNITIES

Application Software Technician: Specializes in analyzing computer operations and software responses, installing software applications, resolving user problems, and providing application training.

Microcomputer Technician: Designs and manages system compatibility between hardware interfaces and software applications and recommends version updates to improve performance.

Information Center Technician: Provides first-level support to users by resolving computer and applications problems.

PROGRAM COMPETENCIES

The graduate is competent to:

1. Apply basic business principles, math concepts, and computational skills to business and technical problems common to computer science.
2. Demonstrate standard written and spoken English, and professional conduct to effectively communicate and succeed in a business/computer setting.
3. Select and use industry and subject specific software and hardware.
4. Apply problem-solving skills appropriate for employment in a computer and information science specialty.
5. Develop, implement, troubleshoot, and operate networks, desktop and web applications, object oriented programs and scripts, and IT security as required by a computer and information science specialty.
6. Upon completion of the program, all students will demonstrate critical thinking skills for inquiry and analysis, assimilation of facts and knowledge, and problem solving.
7. Express potential to work effectively in a team environment, exhibiting qualities of professionalism, leadership, and ethical decision-making.

FOR FURTHER INFORMATION CONTACT:

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or

Technologies Division
Telephone: 423.354.2420

Five-Year Job Placement Rate
88%

Average Starting Salary*
$28,690

*Source:
Bureau of Labor Statistics, Occupational Employment Statistics Survey; Tennessee Department of Labor and Workforce Development, Labor Market Information