

Awards

ASSOCIATE DEGREES:

IT/Network Administration (A25590A)
IT/Database Management (A25590B)
IT/Computer Programming & Development (A25590C)
IT/Digital Media Technology (A25590D)
IT/Cybersecurity (A25590CY)
IT/Multimedia & Interactive Entertainment Technologist (A25590E)
IT/User Interface and Experience Design (A25590I)
IT/PC Support & Services (A25590P)
IT/Cloud Management (A25590U)

Length of Program: 5 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

CERTIFICATES:

IT/Java Programming Certificate (C25590C1)
IT/C# Programming Certificate (C25590C2)
IT/Database Programming Certificate (C25590C5)
IT/Digital Animation Certificate (C25590C7)
IT/Linux Certificate (C25590C10)
IT/Microsoft Networking Certificate (C25590C12)
IT/Python Programming Certificate (C25590C20)
IT/Cloud Management Certificate (C25590C29)

Length of Program: 3 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

CERTIFICATES:

IT/Digital Media Basics Certificate (C25590C4)
IT/Cisco Networking Certificate (C25590C8)
IT/Computer Technologies Certificate (C25590C9)
IT/Hardware and Software Certificate (C25590C11)
IT/Microsoft Desktop Support Certificate (C25590C13)
IT/Cyber Crime Fundamentals Certificate (C25590C15)
IT/Cyber Crime Analysis Certificate (C25590C16)
IT/Cyber Security Operations Certificate (C25590C17)
IT/Information Technology Basics Certificate (C25590C18)
IT/Network Defense Specialist Certificate (C25590C21)
IT/Microsoft Office Specialist Excel & Access Certificate (C25590C22)
IT/Cisco Entry Networking Certificate (C25590C26)
IT/Audio and Video Editing Certificate (C25590C30)
IT/UI-UX Certificate (C25590C32)
IT/Computer Science Transfer Certificate (C25590C33)
IT/Digital Marketing Technology Certificate (C25590C34)
IT/Social Media Content Production Certificate (C25590C35)
IT/Business Intelligence Certificate (C25590C37)
IT/Artificial Intelligence Development Certificate (C25590C39)

Length of Program: 2 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

Rev. 01/14/25

Awards

CERTIFICATES:

IT/CompTIA Essentials Certificate (C25590C36)
IT/Support Technology Specialist Certificate (C25590C38)

Length of Program: 1 Semester

Prerequisite: High School Diploma, Placement Test Equivalent

HIGH SCHOOL CONNECTIONS CERTIFICATES:

IT/Digital Media Basics Certificate (C25590H2)
IT/Hardware and Software Certificate (C25590H3)
IT/Computer Technologies Certificate (C25590H4)
IT/Network Defense Specialist Certificate (C25590H5)
IT/Python Programming Certificate (C25590H8)
IT/Cisco Entry Networking Certificate (C25590H9)
IT/ Audio and Video Editing Certificate (C25590HC)
Computer Science Transfer Certificate (C25590HE)
IT/Microsoft Desktop Support Certificate (C25590HF)

Length of Program: 2 Semesters

Prerequisite: Placement Test Equivalent

Program Information Contact

Curriculum Chairperson

Carlos Bodden

(910) 678-7367

General Classroom Building, Room 202-U

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FTCC

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INFORMATION TECHNOLOGY/ NETWORK ADMINISTRATION



www.faytechcc.edu

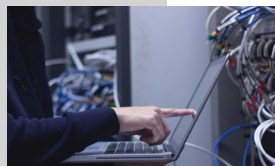
*Fayetteville Technical
Community College*

910-678-8400

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Fayetteville, NC 28303

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PROGRAM FACT SHEET INFORMATION TECHNOLOGY/ NETWORK ADMINISTRATION (A25590A)



Course Work

Network Administration is a concentration under the Information Technology program. The curriculum prepares students to install, configure, monitor, optimize,

and troubleshoot enterprise grade routers and switches as well as Windows client workstations and servers, and manage their operations on a network. Students will develop strong analytical skills and extensive computer knowledge. Course work includes extensive hands-on experience with client and server machines in the Windows environment and configuration of Cisco routers and switches.

Career Paths

Graduates should qualify for employment in business, educational systems, and governmental agencies which rely on Microsoft computer systems to manage information. The program will incorporate the competencies of industry-recognized certification exams from Microsoft, Cisco (CCNA), CompTIA, and others.

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement, and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE INFORMATION TECHNOLOGY/NETWORK ADMINISTRATION (A25590A)

Effective: Fall 2025

Revised: 01/14/25

Length: 5 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

Award: Associate in Applied Science

SEMESTER 1

| Prefix | No. | Title | Class | Lab | Clinical | Credit |
|---------------|-----|---------------------------|-----------|----------|----------|-----------|
| ACA | 120 | Career Assessment | 1 | 0 | 0 | 1 |
| or | | | | | | |
| ACA | 122 | College Transfer Success | 0 | 2 | 0 | 1 |
| CTI | 110 | Web, Pgm, I DB Foundation | 2 | 2 | 0 | 3 |
| CTI | 120 | Network & Sec Foundation | 2 | 2 | 0 | 3 |
| ENG | 110 | Freshman Composition | 3 | 0 | 0 | 3 |
| or | | | | | | |
| ENG | 111 | Writing and Inquiry | 3 | 0 | 0 | 3 |
| MAT | 143 | Quantitative Literacy | 2 | 2 | 0 | 3 |
| or | | | | | | |
| MAT | 171 | Precalculus Algebra | 3 | 2 | 0 | 4 |
| NOS | 110 | Operating Systems Con | 2 | 3 | 0 | 3 |
| TOTALS | | | 11 | 9 | 0 | 16 |

SEMESTER 2

| Prefix | No. | Title | Class | Lab | Clinical | Credit |
|---------------|-----|---------------------------|----------|-----------|----------|-----------|
| CTS | 120 | Hardware/Software Support | 2 | 3 | 0 | 3 |
| *NET | 125 | Introduction to Networks | 1 | 4 | 0 | 3 |
| **NET | 126 | Routing Basics | 1 | 4 | 0 | 3 |
| NOS | 120 | Linux/UNIX Single User | 2 | 2 | 0 | 3 |
| NOS | 230 | Windows Administration I | 2 | 2 | 0 | 3 |
| TOTALS | | | 8 | 15 | 0 | 15 |

SEMESTER 3

| Prefix | No. | Title | Class | Lab | Clinical | Credit |
|---------------|-----|---------------------------|----------|----------|----------|----------|
| CSC | 121 | Python Programming | 2 | 3 | 0 | 3 |
| NOS | 231 | Windows Administration II | 2 | 2 | 0 | 3 |
| TOTALS | | | 4 | 5 | 0 | 6 |

SEMESTER 4

| Prefix | No. | Title | Class | Lab | Clinical | Credit |
|---------------|-----|----------------------------|----------|-----------|----------|-----------|
| CTS | 115 | Info Sys Business Concepts | 3 | 0 | 0 | 3 |
| *NET | 225 | Routing & Switching I | 1 | 4 | 0 | 3 |
| NET | 270 | Buildig Scalable Networks | 1 | 4 | 0 | 3 |
| NOS | 231 | Windows Administration II | 2 | 2 | 0 | 3 |
| SEC | 110 | Security Concepts | 2 | 2 | 0 | 3 |
| TOTALS | | | 9 | 12 | 0 | 15 |

SEMESTER 5

| Prefix | No. | Title | Class | Lab | Clinical | Credit |
|---------------|-----|---------------------------|-----------|----------|----------|-----------|
| COM | 120 | Intro Interpersonal Com | 3 | 0 | 0 | 3 |
| or | | | | | | |
| COM | 231 | Public Speaking | 3 | 0 | 0 | 3 |
| NET | 272 | Multi-Layer Networks | 1 | 4 | 0 | 3 |
| | | Hum/Fine Arts Elective | 3 | 0 | 0 | 3 |
| | | Social/Behav Sci Elective | 3 | 0 | 0 | 3 |
| | | Major Elective | 1 | 2 | 0 | 2 |
| TOTALS | | | 11 | 6 | 0 | 14 |

TOTAL REQUIRED CREDITS...66

Work-Based Learning Option: Qualified students may elect to take up to two (2) credit hours of Work-Based Learning in lieu of a major elective provided they acquire approval from the Work-Based Learning Coordinator and the Department Chairperson.

***Note:** Students **may not** take an introductory foreign language to fulfill the Humanities/Fine Arts requirement.

***1st 8 weeks **2nd 8 weeks**

Other Important Information

Application Deadlines: The program only admits students in the fall semester. A student may enter at other times with approval of the Department Chairperson.

Scholarship/Title IV Financial Aid/VA Services: Scholarships/Title IV Financial Aid/Veteran's assistance may be available for associate degrees. Certificates and diplomas that fall under this program/area of study **may or may not be eligible** for Scholarship/Title IV Financial Aid/VA Services. Please contact the Financial Aid Office, Student Center, Room 2; Telephone (910) 678-8242. Veterans Services, General Classroom Building, Room 202, (910) 678-8580.

Refer to the FTCC website for the most current information. Go to www.faytechcc.edu and click on College Catalog.