

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/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

Awards

CERTIFICATES:

IT/Information Technology Basics Certificate (C25590C18)
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

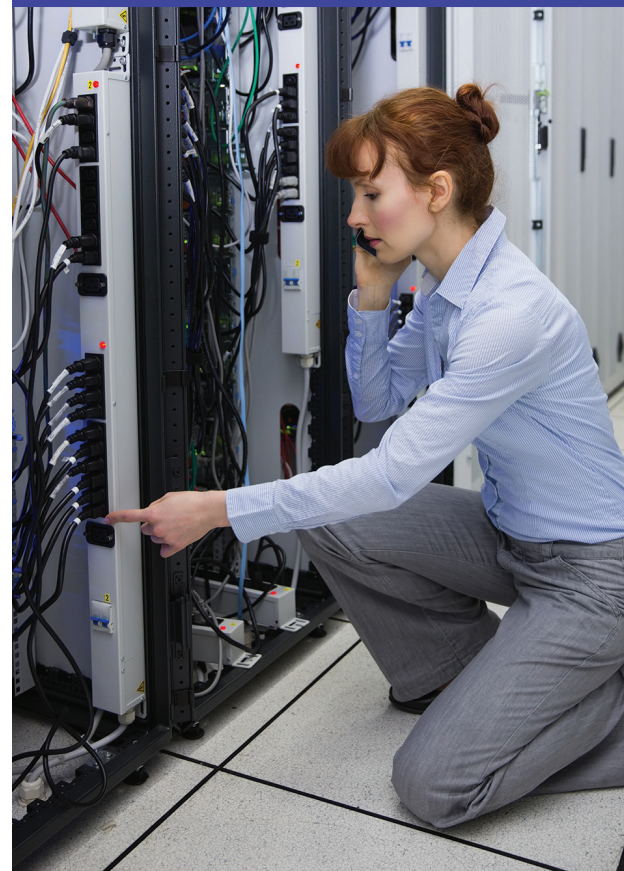
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INFORMATION TECHNOLOGY/ NETWORK ADMINISTRATION



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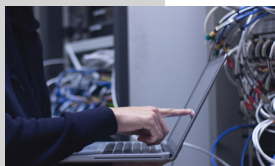
*Fayetteville Technical
Community College*

910-678-8400

P.O. Box 35236 • 2201 Hull Road
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.