

## Awards

### ASSOCIATE DEGREES:

IT/Network Administration (A25590A)  
IT/Database Management (A25590B)  
IT/Computer Programming & Development (A25590C)  
IT/Digital Media Technology (A25590D)  
IT/Game and Interactive Programming (A25590G)  
IT/User Interface and Experience Design (A25590I)  
IT/Network Management (A25590N)  
IT/PC Support & Services (A25590P)  
IT/Systems Security & Analysis (A25590S)  
IT/Cloud Management (A25590U)  
IT/Mobile Applications Developpe (A25590X)

**Length of Program:** 5 Semesters

**Prerequisite:** High School Diploma, Placement Test Equivalent

### CERTIFICATES:

IT/Java Programming Certificate (C25590C1)  
IT/C# Programming Certificate (C25590C2)  
IT/Mobile Application Development Certificate (C25590C3)  
IT/Database Programming Certificate (C25590C5)  
IT/Visual Basic Programming Certificate (C25590C6)  
IT/Digital Animation Certificate (C25590C7)  
IT/Microsoft Networking Certificate (C25590C12)  
IT/Python Programming Certificate (C25590C20)  
IT/Intro to iOS Development Using Swift Certificate (C25590C27)  
IT/Data Analysis Using SAS Certificate (C25590C28)  
IT/Microsoft Server Administration Certificate (C25590C31)

**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/Linux Certificate (C25590C10)  
IT/Hardware and Software Certificate (C25590C11)  
IT/Microsoft Desktop Support Certificate (C25590C13)  
IT/Mobile & Web Basics Certificate (C25590C14)  
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/Mobile Design Certificate (C25590C23)  
IT/Social Media Certificate (C25590C24)  
IT/Web Management Certificate (C25590C25)  
IT/Cisco Entry Networking Certificate (C25590C26)

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## Awards

IT/Cloud Management Certificate (C25590C29)  
IT/Audio and Video Editing Certificate (C25590C30)  
IT/UI-UX Certificate (C25590C32)  
Computer Science Transfer Certificate (C25590C33)

**Length of Program:** 2 Semesters

**Prerequisite:** High School Diploma, Placement Test Equivalent

### HIGH SCHOOL CONNECTIONS CERTIFICATES:

IT/Mobile App Development Certificate (C25590H1)  
IT/Digital Media Basics Certificate (C25590H2)  
IT/Hardware and Software Certificate (C25590H3)  
IT/Computer Technologies Certificate (C25590H4)  
IT/Network Defense Specialist Certificate (C25590H5)  
IT/Wireless Networking Security Certificate (C25590H7)  
IT/Python Programming Certificate (C25590H8)  
IT/Cisco Entry Networking Certificate (C25590H9)  
IT/Data Analysis Using SAS Certificate (C25590HA)  
IT/Intro to iOS Development Using Swift Certificate (C25590HB)  
IT/ Audio and Video Editing Certificate (C25590HC)  
IT/Mobile & Web Basics Certificate (C25590HD)  
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

Chris Herring  
(910) 678-8509

General Classroom Building, Room 202-T  
herringc@faytechcc.edu

<https://www.faytechcc.edu/academics/computer-information-technology-programs/cyber-defense-education-center/>



2201 Hull Road, P.O. Box 35236  
Fayetteville, NC 28303  
(910) 678-8400

SOUTHERN ASSOCIATION OF COLLEGES AND SCHOOLS ON COLLEGES  
Fayetteville Technical Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate degrees, diplomas, and certificates. Questions about the accreditation of Fayetteville Technical Community College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website ([www.sacscoc.org](http://www.sacscoc.org)).

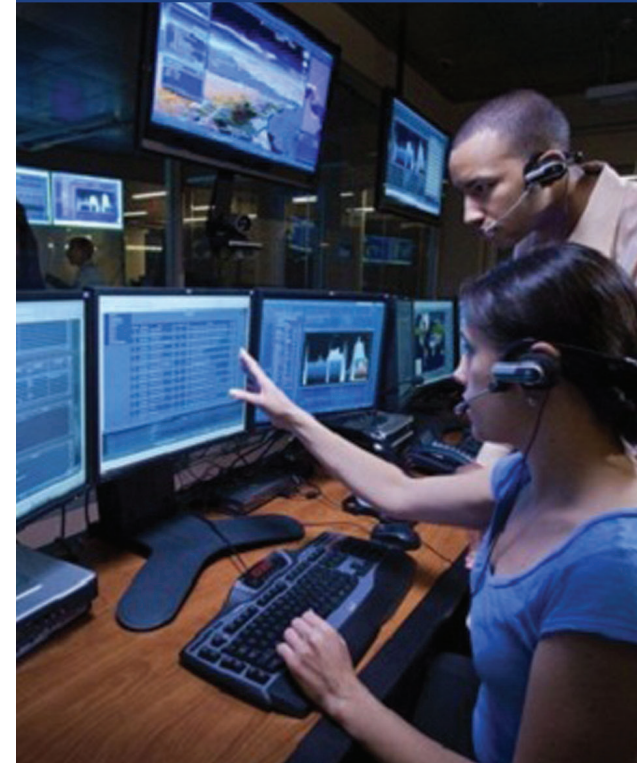
## IT/SYSTEMS SECURITY & ANALYSIS



National Center  
of Academic  
Excellence in  
Cyber Defense



Two-Year Education (CAE2Y)



[www.faytechcc.edu](http://www.faytechcc.edu)

*Fayetteville Technical  
Community College*

910-678-8400

P.O. Box 35236 • 2201 Hull Road  
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## PROGRAM FACT SHEET INFORMATION TECHNOLOGY/ SYSTEMS SECURITY & ANALYSIS (A25590S)



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/SYSTEMS SECURITY & ANALYSIS (A25590S)

Effective: Fall 2021

Revised: 12/18/20

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	120	Network & Sec Foundation	2	2	0	3
*NET	125	Introduction to Networks	1	4	0	3
**NET	126	Routing Basics	1	4	0	3
NOS	110	Operating Systems Conc	2	3	0	3
SEC	110	Security Concepts	2	2	0	3
<b>TOTALS</b>			<b>8</b>	<b>15</b>	<b>0</b>	<b>16</b>

### SEMESTER 2

Prefix	No.	Title	Class	Lab	Clinical	Credit
CTI	110	Web, Pgm, I DB Foundation	2	2	0	3
CTS	115	Info Sys Business Concepts	3	0	0	3
MAT	143	Quantitative Literacy	2	2	0	3
or						
MAT	171	Precalculus Algebra	3	2	0	4
NOS	120	Linux/Unix Single User	2	2	0	3
SEC	150	Secure Communications	2	2	0	3
<b>TOTALS</b>			<b>11</b>	<b>8</b>	<b>0</b>	<b>15</b>

### SEMESTER 3

Prefix	No.	Title	Class	Lab	Clinical	Credit
NOS	220	Linux/Unix Admin I	2	2	0	3
SEC	160	Security Administration I	2	2	0	3
<b>TOTALS</b>			<b>4</b>	<b>4</b>	<b>0</b>	<b>6</b>

### SEMESTER 4

Prefix	No.	Title	Class	Lab	Clinical	Credit
ENG	110	Freshman Composition	3	0	0	3
or						
ENG	111	Writing and Inquiry	3	0	0	3
HUM	110	Technology and Society	3	0	0	3
NOS	230	Windows Administration I	2	2	0	3
SEC	175	Perimeter Defense	1	4	0	3
SEC	210	Intrusion Detection	2	2	0	3
<b>TOTALS</b>			<b>11</b>	<b>8</b>	<b>0</b>	<b>15</b>

### 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
PSY	150	General Psychology	3	0	0	3
or						
SOC	210	Introduction to Sociology	3	0	0	3
SEC	285	Systems Security Project	1	4	0	3
		Major Elective	3	2	0	5
<b>TOTALS</b>			<b>10</b>	<b>6</b>	<b>0</b>	<b>14</b>

### TOTAL REQUIRED CREDITS...66

\*First 8 weeks \*\*Second 8 weeks

**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.

## 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](http://www.faytechcc.edu) and click on College Catalog.