FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE
INFORMATION TECHNOLOGY/ SYSTEMS SECURITY & ANALYSIS (A25590S)
Effective: Fall 2017
Revised: 03/03/17

Length: 5 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent
Award: Associate in Applied Science

### SEMESTER 1

<table>
<thead>
<tr>
<th>Prefix No.</th>
<th>Title</th>
<th>Class</th>
<th>Lab</th>
<th>Clinical</th>
<th>Credit</th>
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<tbody>
<tr>
<td>ACA120</td>
<td>Career Assessment</td>
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<td>Network &amp; Sec Foundation</td>
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<td>*NET125</td>
<td>Introduction to Networks</td>
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<td>**NET126</td>
<td>Routing Basics</td>
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<td>CTI110</td>
<td>Web, Pgm, I DB Foundation</td>
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<td>CTS115</td>
<td>Info Sys Business Concepts</td>
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<tr>
<td>MAT143</td>
<td>Quantitative Literacy</td>
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<tr>
<td>NOS120</td>
<td>Linux/Unix Single User</td>
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<td>SEC150</td>
<td>Secure Communications</td>
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Totals 11 8 0 15

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<td>Linux/Unix Admin I</td>
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<td>Technology and Society</td>
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<td>Perimeter Defense</td>
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Totals 11 8 0 15

### SEMESTER 5

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<td>or</td>
<td>SOC210</td>
<td>3</td>
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<td>SEC285</td>
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<td>Major Elective</td>
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Totals 10 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.

* First 8 weeks    ** Second 8 weeks
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.

**Awards**

**Associate Degree:** IT/Database Management (A25590B)  
**Length of Program:** 5 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Associate Degree:** IT/Computer Programming & Development (A25590C)  
**Length of Program:** 5 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Associate Degree:** IT/Digital Media Technology (A25590D)  
**Length of Program:** 5 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Associate Degree:** IT/Mobile & Web Programming (A25590M)  
**Length of Program:** 5 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Associate Degree:** IT/Network Management (A25590N)  
**Length of Program:** 5 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Associate Degree:** IT/PC Support & Services (A25590P)  
**Length of Program:** 5 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Associate Degree:** IT/Systems Security & Analysis (A25590S)  
**Length of Program:** 5 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Diploma:** Not Applicable

**Certificate:** IT/Java Programming Certificate (C25590C1)  
**Length of Program:** 3 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Certificate:** IT/C# Programming Certificate (C25590C2)  
**Length of Program:** 3 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Certificate:** IT/Mobile Application Development Certificate (C25590C3)  
**Length of Program:** 3 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Certificate:** IT/Digital Media Basics Certificate (C25590C4)  
**Length of Program:** 2 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Certificate:** IT/Database Programming Certificate (C25590C5)  
**Length of Program:** 3 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Certificate:** IT/Visual Basic Programming Certificate (C25590C6)  
**Length of Program:** 3 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent
Certificate: IT/Digital Animation Certificate (C25590C7)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 3 Semesters

Certificate: IT/Cisco Networking Certificate (C25590C8)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Computer Technologies Certificate (C25590C9)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Linux Certificate (C25590C10)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 3 Semesters

Certificate: IT/Hardware and Software Certificate (C25590C11)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Microsoft Networking Certificate (C25590C12)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 3 Semesters

Certificate: IT/Microsoft Desktop Support Certificate (C25590C13)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 3 Semesters

Certificate: IT/Mobile & Web Basics Certificate (C25590C14)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Cyber Crime Fundamentals Certificate (C25590C15)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Cyber Crime Analysis Certificate (C25590C16)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Cyber Security Operations Certificate (C25590C17)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Information Technology Basics Certificate (C25590C18)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Wireless Networking Security Certificate (C25590C19)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Python Programming Certificate (C25590C20)
Prerequisite: High School Diploma, Placement Test Equivalent
Length of Program: 3 Semesters

Certificate: IT/Network Defense Specialist Certificate (C25590C21)
Prerequisite: Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Mobile App Development Certificate (C25590H1)
Prerequisite: Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Digital Media Basics Certificate (C25590H2)
Prerequisite: Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Hardware and Software Certificate (C25590H3)
Prerequisite: Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Computer Technologies Certificate (C25590H4)
Prerequisite: Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Network Defense Specialist Certificate (C25590H5)
Prerequisite: Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Wireless Networking Security Certificate (C25590H7)
Prerequisite: Placement Test Equivalent
Length of Program: 2 Semesters

Certificate: IT/Python Programming Certificate (C25590H8)
Prerequisite: Placement Test Equivalent
Length of Program: 2 Semesters

Work-Based Learning Requirements/Opportunities: For Work-Based Learning education requirements/opportunities please see the appropriate Program Sequencing sheet.

License or Certification Information: None Required

Program Information Contact:
IT/Database Management (A25590B) Contact:
Curriculum Chairperson: Tomica Sobers
Telephone Number: (910) 678-7365
Office Location: Advanced Technology Center, Room 244F
Email: sobersto@faytechcc.edu

IT/Computer Programming & Development (A25590C) Contact:
Curriculum Chairperson: Anthony Cameron
Telephone Number: (910) 678-8571
Office Location: Advanced Technology Center, Room 113F
Email: camerona@faytechcc.edu

IT/Digital Media Technology (A25590D) Contact:
Curriculum Chairperson: Stephen Umland
Telephone Number: (910) 678-9792
Office Location: Advanced Technology Center, Room 113D
Email: umlands@faytechcc.edu

IT/Mobile & Web Programming (A25590M) Contact:
Curriculum Chairperson: Anthony Cameron
Telephone Number: (910) 678-8571
Office Location: Advanced Technology Center, Room 113F
Email: camerona@faytechcc.edu

IT/Networking Management (A25590N) Contact:
Curriculum Chairperson: Carlos Bodden
Telephone Number: (910) 678-7367
Office Location: General Classroom Bldg, Room 202U
Email: boddenc@faytechcc.edu

IT/PC Support & Services (A25590P) Contact:
Curriculum Chairperson: Tomica L. Sobers
Telephone Number: (910) 678-7365
Office Location: Advanced Technology Center, Room 244F
Email: sobersto@faytechcc.edu

IT/Systems Security & Analysis (A25590S) Contact:
Curriculum Chairperson: Chris Herring
Telephone Number: (910) 678-7353
Office Location: General Classroom Bldg, Room 202T
Email: herringc@faytechcc.edu

Application Deadlines: The program is designed for a student to enter during 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.

Child Care Financial Assistance Information:
See Child Care Associate, Early Childhood Center, Room 210, Telephone: (910) 678-8486

Revised: 03/03/17