Awards

ASSOCIATE DEGREES:
IT/Network Administration (A25590A)
IT/Database Management (A25590B)
IT/Computer Programming & Development (A25590C)
IT/Digital Media Technology (A25590D)
IT/Multimedia & Interactive Entertainment Technologist (A25590E)
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)

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/Digital Animation Certificate (C25590C7)
IT/Microsoft Networking Certificate (C25590C12)
IT/Python Programming Certificate (C25590C20)
IT/Intro to iOS Development Using Swift Certificate (C25590C27)
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/Cisco Entry Networking Certificate (C25590C26)
IT/Cloud Management Certificate (C25590C29)
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)

Length of Program: 2 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Awards

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/Intro to iOS Development Using Swift Certificate (C25590HB)
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
boddenc@faytechcc.edu
www.faytechcc.edu

FTCC

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

INFORMATION TECHNOLOGY/ CLOUD MANAGEMENT
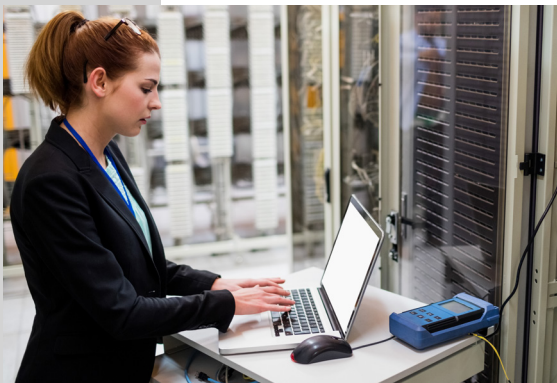
www.faytechcc.edu

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/ CLOUD MANAGEMENT (A25590U)

The IT/Cloud Management associate degree program is designed to provide training for individuals interested in obtaining the ability to understand elements of the information technology domain with an emphasis on cloud technologies.

Participants will perform a variety of hands-on activities including the configuration of various cloud services offered by Amazon Web Services (AWS) and Microsoft Azure.

Upon completion of this program learners should be prepared to take various industry exams that certify competency in AWS, Azure, Red Hat Linux, Python, VMware, and CompTIA Security+. Participants will also gain practical skills that endow them with the ability to implement a variety of services offered by cloud solution providers.

Course Work

Cloud Management is a concentration under the Information Technology program. The curriculum prepares students to configure a variety of services from cloud solution providers. Participants will develop strong analytical skills and computer knowledge. Coursework includes extensive hands-on experience to foster the practical abilities needed to configure a variety of cloud related services such as Amazon Web Services (AWS) and Microsoft Azure.

Career Paths

Graduates should qualify for employment in business, educational systems, and governmental agencies which rely on cloud technologies to manage information. The program will incorporate the competencies of industry-recognized certification exams including Amazon AWS, Microsoft Azure, Red Hat Linux, VMware, CompTIA Security+, and Python.

FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE
INFORMATION TECHNOLOGY/CLOUD MANAGEMENT (A25590U)
Effective: Fall 2023
Revised: 01/10/23

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
CTI	140	Virtualization Concepts	1	4	0	3
ENG	110	Freshman Composition	3	0	0	3
or						
ENG	111	Writing & 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 Concepts	2	3	0	3
		TOTALS	**10**	**11**	**0**	**16**

SEMESTER 2

Prefix	No.	Title	Class	Lab	Clinical	Credit
CTI	110	Web, Pgm, I DB Foundation	2	2	0	3
CTI	141	Cloud & Storage Concepts	1	4	0	3
NET	125	Intro to Networks	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**	**14**	**0**	**15**

SEMESTER 3

Prefix	No.	Title	Class	Lab	Clinical	Credit
CTI	240	Virtualization Admin I	1	4	0	3
NOS	220	Linux/UNIX Admin I	2	2	0	3
		TOTALS	**3**	**6**	**0**	**6**

SEMESTER 4

Prefix	No.	Title	Class	Lab	Clinical	Credit
CSC	121	Python Programming	2	3	0	3
CTI	241	Virtualization Admin II	1	4	0	3
CTS	115	Info Sys Business Concepts	3	0	0	3
NOS	125	Linux/UNIX Scripting	2	2	0	3
SEC	110	Security Concepts	2	2	0	3
		TOTALS	**10**	**11**	**0**	**15**

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.

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
CTI	289	CTI Capstone Project	1	6	0	3
		Hum/Fine Arts Elective	3	0	0	3
		Social/Behav Science Elect	3	0	0	3
		Major Elective	1	2	0	2
		TOTALS	**11**	**8**	**0**	**14**

TOTAL REQUIRED CREDITS...66

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.