

Associate in Applied Science

Information Technology (A25590V)

Concentration in Cloud and Virtualization Technology



Overview

The Cloud and Virtualization Technology curriculum prepares individuals for employment supporting virtualized and hosted network infrastructure environments. Course work includes the design, installation, configuration, and maintenance of virtualization and cloud based hardware and software, that will then be used to support various operating systems configurations such as Microsoft Windows Server Systems or Linux Systems.

Graduates may find employment in entry-level jobs as Data Center Technicians, Virtualization Administrators, Cloud Administrators or Virtualization Engineers. Graduates may also be qualified to take certification examinations for various network industry certifications, depending on their local program. Cloud and Virtualization Technology is designed to prepare students for a variety of roles within support Enterprise Networking Infrastructure.

Students receive significant hands on experience in the study of Virtualization Technology. Installation Configuration and Maintenance of an Enterprise Virtual Environments. The program centers on the following industry certifications:

CompTIA - A+, Network+, Cloud+

Cisco - CCENT

VMware - VMware Certified Associate, Data Center Virtualization

Total Credit Hours: 72

Updated: 8/2018, Catalog Year 2018

Recommended Plan of Study

Semester 1

		Class	Lab	Credits
CTI 110	Web, Programming, & DB Found.	2	2	3
CTI 120	Network & Security Found.	2	2	3
CTI 130	O.S. & Device Found.	4	4	6
CTS 115	Info Sys Business Concepts	3	0	3
CIS 110	Introduction to Computers	2	2	3
				18

Semester 2

COM 231	Public Speaking	3	0	3
ENG 111	Expository Writing	3	0	3
NOS 120	Linux Single User	2	2	3
NOS 130	Windows Single User	2	2	3
SEC 110	Security Concepts	2	2	3
				15

Semester 3

ENG 114	Professional Research & Reporting (ENG 112 may substitute)	3	0	3
MAT 143	Quantitative Literacy (MAT 152 or MAT 171 may substitute)	3	0	3
	Social/Behavioral Sciences UGETC Elective	3	0	3
				9

Semester 4

	Humanities/Fine Arts UGETC Elective	3	0	3
NET 125	Introduction to Networks	1	4	3
NET 126	Routing Basics	1	4	3
	Take NET 125/126 in 8 week format for CCENT/ICND1 Prep			
CTI 140	Virtualization Concepts	1	4	3
CTI 141	Cloud and Storage Concepts	1	4	3
	Take CTI 140/141 in 8 week format			15

Semester 5

CTI 240	Virtualization Admin I	1	4	3
CTI 241	Virtualization Admin II	1	4	3
	Take CTI 240/241 in 8 week format			
CTI 260	Data Center Troubleshooting	2	2	3
CTI 270	Data Center Design/Problem Res	2	2	3
	Take CTI 260/270 in 8 week format			

Major Elective : Choose 3 sem. hours

CCT 121	Computer Crime Invest	2	3	4
WBL 111	Work Based Learning I	0	10	1
WBL 121	Work Based Learning II	0	10	1
WBL 131	Work Based Learning III	0	10	1
				15

*Must choose from the approved General Education list. See catalog for more details.

Note: Many courses are offered in short session formats. Check schedule for offerings.

For more information:
Contact ITinfo@cpcc.edu
Or call 704.330.6549



Get There.

CENTRAL PIEDMONT COMMUNITY COLLEGE