

## IT VIRTUALIZATION

### About the IT Virtualization Program

Provides students the skills necessary to support a virtualized data center. The student will be able to manage, configure and troubleshoot common virtualization issues, and install virtual servers, workstations and applications to support the IT data center. This diploma will prepare the student for the VMware Certified Associate - Data Center Virtualization (VCA-DCV) exam.

### PROGRAM OUTLINE

COURSE #	COURSE TITLE	CREDITS
1015011400	<b>Networking 1</b>	<b>3.00</b>
10150114C01	Differentiate between various networking equipment and how data flow through the network using both the OSI and TCP/IP models	0.50
10150114C02	Explain ethernet and how devices communicate on the network	0.50
10150114C03	Perform basic device configuration to setup and maintain network communication	0.50
10150114C04	Design ip addressing schemes to include classful and classless subnetting	0.75
10150114C05	Explain TCP/IP suite protocols	0.25
10150114C06	Build a small network	0.50
1015014700	<b>Emerging Network Technologies</b>	<b>3.00</b>
10150147C01	Install and Configure vCenter and ESXi servers	0.50
10150147C02	Configure Networking for a virtual infrastructure	0.50
10150147C03	Implement a storage solution for a Virtual infrastructure	0.50
10150147C04	Deploy and Administer virtual machines and vApps	0.50
10150147C05	Manage clusters, fault tolerance, and backup and restore in a virtual infrastructure	0.50
10150147C06	Perform basic troubleshooting in a virtual infrastructure	0.25
10150147C07	Design alarms and triggers to monitor Servers, virtual machines and operations	0.25
1015018000	<b>Server Operating Systems</b>	<b>3.00</b>
10150180C01	Explore server versions, install and configure Servers	0.50
10150180C02	Implement basic virtualization using Hyper-V on a server operating system	0.25
10150180C03	Install and administer Active directory and components	1.00
10150180C04	Implement and manage group policy to control the server environment	0.75
10150180C05	Configure networking and supporting network services to the server operating system	0.50

**Total Credits: 9.00**

Talk with an Academic Advisor about the program outline. Together, you will determine if credits you've already earned satisfy any requirements, discuss possible alternative courses, and choose the best classes if you're thinking of transferring.

# AT A GLANCE

## Flexible Options



ON CAMPUS ONLINE CLASSES MULTIPLE START DATES PERSONALIZED PACE

## 2019 Start Dates

January 16	April 15	September 9
February 4	June 6	October 7
March 4	July 1	November 4
April 1	September 4	

## 2020 Start Dates

January 8	March 2	June 1
January 15	May 8	July 6
February 3	May 11	

## What is Competency-Based Education?

Competency-Based Education (CBE) is learning at your own pace by mastering competencies through demonstration. Once all competencies for a program have been assessed and mastered, students will earn a certificate, diploma, or degree.

[LEARN MORE ABOUT CBE](#)

## Approximate Cost

**\$1,207\***

\*Based on 10-level courses - materials, books, and fees may be additional

## What You'll Learn

- Manage Information technology hardware.
- Manage software.
- Support computer networks.
- Provide end user support.
- Solve information technology problems.
- Demonstrate customer service skills as an IT professional.
- Demonstrate the ability to write interactive programs using a web interface.

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## Your Potential Careers

- Computer Support Specialist
- Technical Support Specialist
- Help-Desk Technician
- Network Administrator
- Systems Administrator

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## Get Started

Your application can be submitted online, it takes just a few minutes to complete.

[APPLY NOW](#)