Data Center Virtualization examines the skills and knowledge needed to effectively evaluate business needs for virtualized data centers and manage the network, storage, and server technology solutions. Through the use of immersive lab experiences, students gain practical experience in virtualizing physical servers in a data center facility along with storage, networking and other infrastructure devices and equipment. Students learn how to virtualize and manage data centers. This course provides students hands-on learning opportunities for high demand data center virtualization skills.

Competencies

- **Design**
  The graduate designs migration and installation plans for data center virtualization that address business needs.

- **Implementation**
  The graduate creates server, storage, and network solutions in virtualized environments.

- **Optimization**
  The graduate optimizes system performance and reliability using performance tuning and load balancing.

Learning

**Getting Started**

Welcome to Data Center Virtualization. In this course, you will learn the skills needed to effectively evaluate business needs for virtualized data centers and manage the network, storage, and server technology solutions. You will demonstrate competence in this course by completing a performance assessment in which you will design and configure a hyper-converged host cluster based on business requirements and troubleshoot performance issues on existing virtual hosts.

This course employs learning challenges in the form of hands-on challenge labs specially designed to help you learn by doing in the actual software environment you’re studying. Additional resources provided in this uCertify course include reference materials, videos, and reflective questions to help prepare you for the Performance Assessment in this course. In the Start Here First section, you'll find a pacing guide which provides a suggested weekly plan for working through the course in a timely manner. The section will also explain how to best utilize the provided learning resources to support your success.
Student Services

(877) 435-7948
studentservices@wgu.edu

IT Service Desk

(877) 435-7948
servicedesk@wgu.edu

Course Instructor Responsibility

How to Work with Course Instructors