

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE  
ACADEMIC AFFAIRS

Course Number: CSE-252 Class/Lect. Hours: 3 Lab Hours: 3 Credits: 4 Dept.: CSET

Course Title: Virtualization using VMWare ESXi Server Semester: Fall Year: 2015

**Course Description, Prerequisite, Corequisite:**

Topics in Virtualization using VMWare ESXi Server explore the use of server virtualization in the modern data center and are centered around the VMware Certified Professional certification exam. This course explores installation, configuration, and management of VMware vSphere, which consists of ESXi and vCenter Server starting with basic concepts, the business case for virtualization, through installation and configuration, and management of virtual servers. This course is composed of a three hour lecture with a three hour lab.

Prerequisite(s): CSET-210 and CSCO-105 or permission of the instructor

*CSE110 CSD105*

Corequisite(s): CSE-252L

Course Objectives	Competencies
<p>Understand the business case for server virtualization.</p> <p>Understand the components of VMWare server.</p> <p>Understand the installation and configuration of VMWare server.</p>	<p>Describe the business case for using server virtualization.</p> <p>Describe the VMWare server architecture.</p> <p>Install and configure VMWare server.</p> <p>Install client operating systems.</p> <p>Create and map virtual machines.</p> <p>Describe VM templates.</p> <p>Describe the security concerns for VSphere.</p> <p>Manage resource allocation.</p> <p>Monitor vSphere performance.</p> <p>Attach virtual storage from SAN's and NAS.</p>