CERTIFICATE IN CLOUD INFRASTRUCTURE AND VIRTUALIZATION (CCIV)

(Please see the *Undergraduate Program Offerings by Campus* chart in the catalog or on the Herzing Website at www.herzing.edu/career-programs/downloads for a list of Herzing campuses offering this program.)

PROGRAM DESCRIPTION

This program provides the student with a comprehensive overview of cloud computing infrastructure, virtualization and security. This program also prepares the student to take the examinations necessary to achieve the Cloud Infrastructure and Services Associate (EMCCIS) certification and the VMware Certified Professional 5—Data Center Virtualization (VCP5-DCV) certification.

PROGRAM OBJECTIVES

Upon completion of this program, the student should be able to:

1. Apply cloud computing principles, architectures, and implementation to meet networking needs.

2. Utilize computer operating system virtualization concepts and practices to meet practical project requirements.

3. Analyze business requirements for resources security and design security solutions to meet business network needs.

4. Pass the examinations leading to the Cloud Infrastructure and Services Associate (EMCCIS) certification and the VMware Certified Professional 5—Data Center Virtualization (VCP5-DCV) certification.

SPECIAL ADMISSION REQUIREMENTS

Applicants must pass a computer skills test administered by the campus Admissions Department before enrolling in this certificate program.

POTENTIAL OCCUPATIONAL TITLES

Potential occupational titles for this program include, but are not limited to, computer network support specialist.

PROGRAM CONTENT

A minimum of 16.00 semester credit hours is required for graduation.

REQUIRED COURSES

All courses, 16.00 semester credit hours, are required.

Course Number	Course Name	Prerequisites/Corequisites	Semester Credit Hours
IT 366	Cloud Computing *	NT 305	4.00
IT 380	Cloud Computing and Virtualization Competency Workshop *	IT 366 and NT 315	4.00
NT 305	Virtualization *	NT 200 (or test out)	4.00
NT 315	Designing Network Security *	NT 200 (or test out)	4.00

* For ease of scheduling, 4-credit courses may be divided into two 2-credit courses with part of the course being covered in an online web "W" section and the other part of the course being covered in a lab "L" section (i.e., IS 366W and IS 366L).

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at http://www.herzing.edu/career-programs/undergraduate-degrees/technology/information-technology.