

DIPLOMA IN NETWORK SYSTEMS (DNS)

(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 students with the necessary skills and academic knowledge to install, configure, manage, and maintain computer systems. It also provides students with the skills to configure, manage, maintain, and secure Cisco routers and switches. Students will be prepared to take the Cisco Certified Entry Networking Technician (CCENT), Cisco Certified Network Associate (CCNA) Routing and Switching, and Cisco Certified Network Associate Security (CCNA Security) examinations.

PROGRAM OBJECTIVES

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

1. Demonstrate the ability to install, configure, administer, and troubleshoot network hardware.
2. Demonstrate the ability to configure, manage, and secure Cisco routers and switches.

POTENTIAL OCCUPATIONAL TITLES

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

PROGRAM CONTENT

A minimum of 25.00 semester credit hours is required for graduation.

REQUIRED COURSES

All courses, 24.00 semester credit hours, are required.

Course Number	Course Name	Prerequisites/Corequisites	Semester Credit Hours
IS 112	Computer Networks * ▲	None	4.00
IS 284	Routers and Switches I *	IS 112	4.00
IS 286	Routers and Switches II *	IS 284	4.00
IS 289	Applied Routers and Switches *	IS 286	4.00
NT 202	Routing and Switching Security I *	IS 284	4.00
NT 212	Routing and Switching Security II *	NT 202	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 112W and IS 112L).

▲ Students who have successfully tested out of IS 112 may substitute any IS, IT, or NT course to meet this requirement.

PERSONAL AND PROFESSIONAL DEVELOPMENT COURSE

1.00 semester credit hour is required.

Course Number	Course Name	Prerequisites/Corequisites	Semester Credit Hours
PD 202	Professional Development II	None	1.00

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>.