

HERZING

ASSOCIATE OF SCIENCE IN INFORMATION TECHNOLOGY (ASIT)

ASSOCIATE OF APPLIED SCIENCE IN INFORMATION TECHNOLOGY (AASIT)

(The associate of applied science is offered at the Akron, Minneapolis, and Toledo campuses only)

PROGRAM DESCRIPTION

This program prepares students with the necessary academic knowledge and technical competencies for entry-level positions in the computer information technology industry. Coursework is designed to lead into a bachelor's degree in information technology. Career opportunities include, but are not limited to, such areas as help-desk professionals, network operators, information technology specialists, network administrators, technical support officers, network security technicians, and network support technicians.

PROGRAM OBJECTIVES

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

1. Demonstrate the ability to define, evaluate, recommend, and apply appropriate information technology methodologies to provide solutions for a range of business needs.
2. Demonstrate proficiency in designing, implementing and maintaining computer network systems using knowledge of current and future technologies in operating systems, network appliances, and security.
3. Demonstrate the ability to write clear and concise technical reports and business communications in a variety of environments.
4. Demonstrate the ability to design and implement network infrastructure topologies to meet organizational needs.
5. Think critically, both conceptually and by using mathematical analysis; write and speak effectively; use basic computer applications; and understand human behavior in the context of the greater society.

POTENTIAL JOB POSITION TITLES

Potential entry-level job position titles include, but not limited to, network operators, junior network administrators, help-desk professionals, and technical support personnel.

PROGRAM CONTENT

A minimum of 62.00 semester credit hours is required for graduation.

REQUIRED CORE COURSES IN INFORMATION TECHNOLOGY

All courses, 32.00 semester credit hours, are required.

Course Number	Course Name	Prerequisite	Credit Hours
IS 103	Programming Logic	None	4.00
IS 112	Computer Networks	IS 102	4.00
IS 121	Introduction to the Internet	None	4.00
IS 185	Computer Architecture and Troubleshooting I	None	4.00
IS 191	Linux Administration	IS 112	4.00
IS 282	Network Security	IS 191 and NT 180 (or IS 191, NT 160 and NT 170)	4.00
IS 284	Routers and Switches I	IS 112 or IS 185	4.00
or	or		
NT 215	Routers and Switches	IS 112	4.00
NT 180	Network and Server Operating Systems	IS 112 or IS 186	4.00

OPEN ELECTIVE COURSES

4.00 semester credit hours are required. Students may take any Information Systems (IS), Information Technology (IT) or Networking and Security Technology (NT) course.

Note: Students may substitute NT 180 for NT 160 and NT 170.

REQUIRED COURSES IN GENERAL EDUCATION

Students enrolled in this associate's degree must complete a minimum of 24.00 semester credit hours in general education distributed among the following disciplines. Refer to the General Education section of the catalog for Herzing University courses that would satisfy these requirements. *

- 1.00 Semester Credit Hours in Information Literacy
- 3.00 Semester Credit Hours in English Composition
- 3.00 Semester Credit Hours in Speech
- 4.00 Semester Credit Hours in Computer Applications ♦
- 4.00 Semester Credit Hours in Mathematics (College Algebra or Above)
- 3.00 Semester Credit Hours in Social or Behavioral Science
- 3.00 Semester Credit Hours in Science or Humanities With a Critical Thinking Focus **▲ ♦
- 3.00 Semester Credit Hours in General Education Electives ♦

* Transfer students may transfer courses that are within 1.00 semester credit hour of the courses listed above to meet these discipline requirements. Any resulting deficiency in the total of 24.00 semester credit hours required in general education may be made up with general education electives from any of the listed disciplines.

** A course with a critical thinking focus would be a course that addresses the theories and application of critical analysis with an emphasis on developing sequential reasoning skills. Examples may be courses in critical thinking, philosophy, logic, or science.

▲ Students in the state of Georgia must take a science course to fulfill this requirement.

♦ The state of Minnesota requires a minimum of 20.00 semester credit hours of general education for associate's degrees, not counting computer applications. However, all Herzing University students in the AASIT program must complete a minimum of 24.00 semester credit hours in general education, including computer applications, to complete the requirement for graduation from this associate's degree program. Minnesota students must complete at least 2.00 semester credit hours of general education in the humanities.

PERSONAL AND PROFESSIONAL DEVELOPMENT COURSES

2.00 semester credit hours are required. Students taking the IS 294 Internship must also take PD 214.

Course Number	Course Name	Prerequisite	Credit Hours
PD 121	Professional Development I	None	1.00
PD 202	Professional Development II	None	1.00
PD 214	AS/AAS/BS/Diploma Internship Preparation	None	0.00

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/academics/information-technology>