

ASSOCIATE OF SCIENCE/APPLIED SCIENCE IN INFORMATION TECHNOLOGY (ASIT/AASIT)

(Please see the *Undergraduate Program Offerings by Campus* chart in the catalog for a list of Herzing campuses offering this program.)

PROGRAM DESCRIPTION

This program prepares students for entry-level positions in the field of information technology. Skills taught include end-user support, client/server operating systems, network infrastructure administration, security, scripting, database fundamentals, and technical communication. Coursework in this program is designed to provide a foundation for select industry certifications. Graduates of this program may continue on into a bachelor's degree in information technology.

PROGRAM OUTCOMES

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

1. Apply industry standards to the implementation and support of network systems and computer devices.
2. Demonstrate the principles of information technology security.
3. Use information systems for the collection, organization, and delivery of data.
4. Express relevant information to technical and nontechnical audiences.

POTENTIAL OCCUPATIONAL TITLES

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

PROGRAM CONTENT

A minimum of 61.00 semester credit hours is required for graduation.

REQUIRED COURSES IN INFORMATION TECHNOLOGY

29.00 semester credit hours are required.

Course Number	Course Name	Prerequisites/Corequisites	Semester Credit Hours
IS 122	Programming Logic	None	3.00
IS 123	Computer Networks	None	3.00
or IS 195 ▶	Transition to Technology Concepts	IS 187, IS 192, IS 283, IS 285, and NT 181	3.00
IS 183	Database Concepts and Applications I	IS 122	3.00
IS 187	Computer Architecture and Troubleshooting I	None	3.00
IS 192	Linux Administration	IS 123	3.00
IS 283	Network Security	IS 192 and NT 181	3.00
IS 285	Routers and Switches I	IS 123	3.00
IS 287	Routers and Switches II	IS 285	3.00
IT 120	Technical Writing	EN 104	1.00
IT 122	Portfolio Development	None	1.00
NT 181	Network and Server Operating Systems	IS 123 or IS 188	3.00

▶ IS 195 is required of advanced standing students only.

TECHNICAL ELECTIVE COURSES

A minimum of 6.00 semester credit hours are required from the list below.

Course Number	Course Name	Prerequisites/Corequisites	Semester Credit Hours
IS 188	Computer Architecture and Troubleshooting II	IS 187	3.00
IS 219	Database Concepts and Applications II	IS 183	3.00
IS 291	Applied Routers and Switches	IS 287	3.00
IT 100	Introductory Topics in Information Technology and Software Development	None	3.00
IT 203	Internet Concepts and Human Computer Interaction	IS 123	3.00
IT 234	CompTIA A+ Competency Workshop	IS 188	3.00
IT 235	MCSA Competency Workshop	NT 201	3.00
IT 236	CCNA Competency Workshop	IS 291	3.00
NT201	Network Infrastructure Administration	NT 181	3.00
NT 203	Routing and Switching Security I	IS 285	3.00
NT 213	Routing and Switching Security II	NT 203	4.00
NT 213	Routing and Switching Security II	NT 203	3.00

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. *

4.00 Semester Credit Hours in Computer Applications ♦

3.00 Semester Credit Hours in English Composition

3.00 Semester Credit Hours in General Education Electives ♦

1.00 Semester Credit Hours in Information Literacy

4.00 Semester Credit Hours in Mathematics (College Algebra or Above)

3.00 Semester Credit Hours in Science or Humanities With a Critical Thinking Focus **▲ ♦

3.00 Semester Credit Hours in Social or Behavioral Science

3.00 Semester Credit Hours in Speech

* 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.

Course Number	Course Name	Prerequisite	Semester Credit Hours
PD 121	Professional Development I	None	1.00
PD 202	Professional Development II	None	1.00