ASSOCIATE OF SCIENCE/APPLIED SCIENCE IN TECHNOLOGY STUDIES (ASTS/AASTS)

(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 provides students who have a solid grounding in a technology discipline, gained from completing the coursework in one or more diploma or certificate programs in that discipline, with the general education component of an associate degree to become a well-rounded graduate.

PROGRAM OUTCOMES

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

1. Apply technology skills acquired from prior study to address workplace challenges.

2. Think critically, both conceptually and by using mathematical analysis, in a technology setting.

3. Write and speak effectively in a technology environment.

4. Use basic computer applications typical in a technology facility.

5. Understand human behavior in the context of the greater society.

POTENTIAL OCCUPATIONAL TITLES

Potential occupational titles for this program include, but are not limited to, first-line supervisor of production and operating workers. Potential entry-level job titles will vary with the discipline of the prior technology diploma or certificate transferred into the program.

PROGRAM CONTENT

A minimum of 60.00 semester credit hours, including transfer credits, is required for graduation.

REQUIRED TECHNOLOGY COURSES

Students must complete at least 34.00 semester credit hours of courses in technology. Selection or transfer of courses will be in consultation and with the approval of the student's academic advisor. Any resulting deficiency in the total of 34.00 semester credit hours required may be made up with additional technology courses listed below. Certificate or diploma programs from which technology courses may be accepted include, but are not limited to, the following:

- ◆ Cisco Certified Network Associate
- ◆ Cloud Infrastructure and Virtualization
- ◆ CompTIA A+
- ◆ Microsoft Certified Solutions Associate

Course Number	Course Name	Prerequisites/Corequisites	Semester Credit Hours
IS 123	Computer Networks	None	3.00
IS 187	Computer Architecture and Trouble Shooting I	None	3.00
IS 188	Computer Architecture and Trouble Shooting II	IS 187	3.00
IS 285	Routers and Switches I	IS 123	3.00
IS 287	Routers and Switches II	IS 285	3.00
IS 291	Applied Routers and Switches	IS 287	3.00
IT 234	CompTIA A+ Competency Workshop	IS 102 and IS 186	3.00
IT 235	MSCA Competency Workshop	NT 181, NT 201, and NT 210	3.00
IT 236	CCNA Competency Workshop	IS 297	3.00

Course Number	Course Name	Prerequisites/Corequisites	Semester Credit Hours
IT 368	Cloud Computing	NT 306	3.00
IT 381	Cloud Computing and Virtualization Competency Workshop	IT 368 and NT 316	3.00
NT 181	Network and Server Operating Systems	IS 122 or IS 187 (or test out)	3.00
NT 201	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	3.00
NT 211	Directory Services Administrator	NT 181	3.00
NT 306	Virtualization	NT 201 (or test out)	3.00
NT 316	Designing Network Security	NT 201 (or test out)	3.00

GENERAL EDUCATION REQUIREMENTS

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 Hour in Information Literacy
4.00 Semester Credit Hours in Mathematics (College Algebra or above)
3.00 Semester Credit Hours in Natural 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 AASTS 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