

AREA: Information Systems Technology

DEGREE: Associate of Applied Science Degree

LENGTH: Four semesters (two-year) program

PURPOSE: The associate of applied science degree program in information systems technology (IST) is designed for students who seek employment or professional development as a generalist in the area of information technology (IT), with specific knowledge in various areas such as Web design/development, computer network design and administration and database administration.

OCCUPATIONAL OBJECTIVES: The associate of applied science degree curriculum in information systems technology prepares students for employment with business, industry and government organizations as entry-level Web applications developers, network engineers or database administrators, depending on degree specialization.

TRANSFER GUIDELINES: Transfer opportunities for associate of applied science degrees, if existing, are very specific in nature. Students enrolling in an applied science degree with plans to transfer to a four-year college or university should explore opportunities with their faculty advisor.

PROGRAM REQUIREMENTS: A student who studies topics in IT must possess general knowledge in systems analysis and design, software design and development, Web markup languages, Internet and network foundations and database fundamentals. Additionally, students must possess sound analytical and problem-solving skills, strong written and verbal communications skills and must have good interpersonal skills. These skills are an integral part of the information system technology (IST) curriculum. The curriculum includes technical courses in information technology, business-related areas, general education and electives. Instruction is centered on theoretical concepts and practical, hands-on applications key to success in the information technology field. Students are strongly encouraged to consult with their faculty advisor in planning their programs and selecting electives. Upon satisfactory completion of the program the graduate will be awarded the associate of applied science degree with a major in information system technology.

SPECIAL NOTE (BRIDGE COURSES): This program is designed for those students who have completed a variety of keyboarding and introductory computer applications courses at the high school level. A student who has not completed the recommended high school courses may enroll in the IST program by taking courses designed to bridge the gap. These courses are to be selected by consulting with an IST advisor and may include one or more of the following:

AST 101	Keyboarding	3 credits
ITE 115	Intro to Computer Applications and Concepts	3 credits

Course#	Title	Credits
First Semester		
ENG 111	College Composition I	3
ITD 110	Web Page Design I	3
ITD 130	Database Fundamentals	3
ITN 109	Internet and Network Foundations	3
MTH 151/152	Math for Liberal Arts ¹ (or MTH 163 or 271)	3
SDV 101	Orientation to the IT Professions	1
Total		16
Second Semester		
ENG 112	College Composition II	3
ITE 120	Principles of Information Systems	3
ITN 106	Microcomputer Operating Systems	3
ITP 100	Software Design	3
MTH 151/152	Math for Liberals Arts ¹ (or MTH 271 or 272)	3
	Approved social science elective ²	3
Total		18
Third Semester		
ECO 201/202	Principles of Macro/Microeconomics	3
ENG 115	Technical Writing	3
	Approved IT elective ³	3
	Approved IT elective ⁴	3
ITP 112	Visual Basic.NET I	4
PED/HLT	Physical Education (or Health)	2
Total		18
Fourth Semester		
	Approved IT elective ⁵	3
	Approved IT elective ⁵	3
	Approved IT elective ⁵	3
ITP 251	Systems Analysis and Design	4
	Approved humanities elective ⁶	3
Total		16
Program Total		68

¹ Students planning to transfer to a four-year college are encouraged to take MTH 163 or MTH 271/272.

² Students may select social science elective from approved list.

³ Students may select ITD 210, ITD 132, ITN 107.

⁴ Students may select ITD 112, ITD 134 or ITN 200.

⁵ Students may select ITD 112, ITD 132, ITD 134, ITD 210, ITD 220, ITD 250, ITN 107, ITN 120, ITN 170, ITN 200, ITN 201, ITN 224, ITN 260, ITN 261, ITP 120, ITP 132, ITP 136, ITP 160, ITP 225.

⁶ Students may select humanities elective from approved list.