ASSOCIATE OF APPLIED TECHNOLOGY IN COMPUTER INFORMATION SCIENCE

Program Purpose

The purpose of the Associate of Applied Technology in Computer Information Science program is to provide accessible, quality educational opportunities that will provide individuals with the knowledge, technical skills, and attitudes necessary to obtain entry- level employment in the Computer Information Science profession.

The associate degree program is intended to produce graduates who are prepared for employment as entry-level microcomputer specialists or networking specialists. Program graduates are to be competent in the academic areas of communications, mathematics, computer literacy, and human relations and in the technical areas of general computer terminology and concepts, program design and development, system analysis and design, database management, computer installation and maintenance, and computer networking. Reid State Community College will accomplish program objectives by providing students with a comprehensive general education and technical training in the core area of Computer Information Science. The occupational skill preparation should meet the recognized skill standards.

The philosophy and purpose of the Associate of Applied Technology in Computer Information Science program are consistent with that of the governing institution.

Occupational Data

According to the Alabama Department of Industrial Relations, demand for computer support specialists is expected to increase faster than average because of the rapid pace of improved technology. To operate more efficiently, the firm will continue to demand computer support specialists who are able to apply the latest technologies to meet the needs of the organization. Job prospects are best for those with a college degree in a related field. According to the Alabama Department of Labor, Computer User Support Specialists in Alabama earn an annual median salary of $47,880 and an annual median salary of $52,690 nationally. Computer Network Support Specialists in Alabama earn an annual median salary of $59,570 and an annual median salary of $65,450 nationally. Web Developers in Alabama earn an annual salary of $63,560 and an annual salary of $77,200 nationally.

Program Outcome Objectives

- Program graduates will be proficient in communication, computation, and interpersonal skills.
- Program graduates will be technically proficient.
- Program graduates will be able to obtain industry certification.
- Program graduates will be successfully employed in the field.
- Employers of program graduates will be satisfied with their education and training.

Admission Requirement

Applicants to this program must complete the application procedures. Additionally, applicants must present official documentation of a high school diploma, in accordance with ACCS Board of Trustees policy, or GED.

Program Certification

Computer Information Science currently offers a variety of courses that can lead to industry certifications such as CompTIA's A+, Network +, and Security +. Classes can also lead to several Microsoft certifications that include Microsoft Certified Professional (MCP), Microsoft Certified System Administrator of Windows Server, and Microsoft Office Specialists

Associate in Applied Technology in Computer Information Science

Associate of Applied Technology (AAT)

MINIMUM CREDITS REQUIRED: 61-62 Semester Credit Hours
Length of Program: 4 Semesters of full-time attendance

GENERAL EDUCATION CORE: 16-17 Semester Credit Hours		Theory	Lab	Internship	Contact	Credit
ORT 100 ORI 101	Orientation OR Orientation to College	1	0		1	1
AREA I: WRITTEN COMPOSITION 3 hours						
ENG 101	English Composition I	3	0		3	3
AREA II: HUMANITIES AND FINE ARTS 3 hours						
ART 100 MUS 101 REL 151 REL 152 PHL 206	Art Appreciation OR Music Appreciation OR Survey of the Old Testament OR Survey of the New Testament OR Ethics and Society	3	0		3	3
AREA III: NATURAL SCIENCE AND MATHEMATICS 6-7 hours						
*Students are required to complete one three-hour mathematics course and may either complete an additional mathematics course or one natural science course as listed below. *NOTE: MTH courses higher than MTH 100 may be substituted for the three-hour math requirement as well.*						
MTH 100 MTH 116	Intermediate College Algebra OR Mathematical Applications*	3	0		3	3
MTH* BIO 113 BIO 101 BIO 103 PHS 111	Any MTH course OR History of Biology OR Introduction to Biology I OR Principles of Biology OR Physical Science I	3 3 3 3 3	0 0 1 1 1		3 3 5 5 5	3 3 4 4 4
AREA IV: HISTORY, SOCIAL, AND BEHAVIORAL SCIENCES 3 hours						
Students are required to complete one three-hour history, social, or behavioral science listed below.						
PSY 200 PSY 210 HIS 101 HIS 102 HIS 121 HIS 122 HIS 201 HIS 202 SOC 200	General Psychology Human Growth and Development Western Civilization I Western Civilization II World History I World History II United States History I United States History II Introduction to Sociology	3	0		3	3

PRIMARY TECHNICAL CONCENTRATION: 45 Semester Credit Hours						
CIS	117	Database Management Software Applications	3	0	3	3
CIS	149	Digital Literacy	3	0	3	3
CIS	150	Introduction to Computer Logic and Programming	3	0	3	3
CIS	161	Intro to Network Communications	3	0	3	3
CIS	199	Network Communications	3	0	3	3
CIS	207	Web Development	3	0	3	3
CIS	249	Microcomputer Operating Systems	3	0	3	3
CIS	268	Software Support	3	0	3	3
CIS	269	Hardware Support	3	0	3	3
CIS	275	Workstation Administration	3	0	3	3
CIS	276	Server Administration	3	0	3	3
CIS	277	Network Services Administration	3	0	3	3
CIS	278	Directory Services Administration	3	0	3	3

CIS	279	Network Infrastructure Design	3	0	3	3
CIS	280	Network Security	3	0	3	3