

Computer Information Systems Technology Associate in Applied Science Degree

Available: Shoals Campus
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The CIS Technology program is designed to prepare students for employment in the field of Data and Information Processing. Graduation from high school or the equivalent qualifies a prospective student for enrollment in CIS Technology. The two-year suggested curriculum is designed to develop computer personnel capable of planning, writing and installing commercial software on modern database computers. Students pursuing the Personal Computer Systems Option will receive training in electronics and networking technology used on common PC systems. Students are trained on the IBM AS/400 and on personal computers.

All entering students are required to complete ORI 101 unless transferred from another university or college.

Programming Option 110101 PO

General Education Requirements Semester Hours

BUS 241 Principles of Accounting I or ACT 141 Basic Accounting Principles	3
BUS 242 Principles of Accounting II or ACT 142 Advanced Accounting Principles	3
**ENG 101 English Composition I	3
ENG 130 Technical Report Writing or ENG 102 English Composition II	3
MTH 100 Intermediate Algebra	3
SPH 226 Business and Professional Speech or SPH 107 Fundamentals of Public Speaking	3
Humanities or Fine Arts Elective	3
Social Science Elective	3
Total General Education Requirements	24

Major Requirements

CIS 110 Intro to Computer Logic and Programming	3
CIS 241 Intro to RPG Programming	3
CIS 146 Microcomputer Applications	3
CIS 205 Control Language and Utilities Applications	3
CIS 242 Intermediate RPG Programming	3
CIS 261 COBOL Programming	3
CIS 147 Advanced Microcomputer Applications	3
CIS 249 Microcomputer Operating Systems	3
CIS 206 Advanced Control Language	3
CIS 243 Advanced RPG Programming	3
CIS 264 Business Applications	3
CIS 281 System Analysis and Design	3
CIS 199 Network Communications or ILT 135 Local Area Networks	3
CIS 268 Software Support or ILT 130 Software Installation and Maintenance	3
CIS 269 Hardware Support or ILT 129 Personal Computer Hardware	3
CIS Elective	3
Total Major Requirements	48

Total Semester Credit Hours **72**

**Keyboarding skills are essential for the successful completion of English 101.

Personal Computers Systems Option

110101 PCS

All entering students are required to complete ORI 101 unless transferred from another university or college.

General Education Requirements Semester Hours

BUS 241 Principles of Accounting I or ACT 141 Basic Accounting Principles	3
BUS 242 Principles of Accounting II or ACT 142 Accounting Principles II	3
**ENG 101 English Composition I	3
ENG 130 Technical Report Writing or ENG 102 English Composition II	3
MTH 246 Mathematics of Finance	3
SPH 226 Business and Professional Speech or SPH 107 Fundamentals of Public Speaking	3
Humanities or Fine Arts Elective	3
Social Science Elective	3
General Elective	3-5
Total General Education Requirements	27-29

Major Requirements

CIS 146 Microcomputer Applications	3
CIS 147 Advanced Microcomputer Applications	3
CIS 249 Microcomputer Operating Systems	3
CIS 191 Intro to Computer Programming Concepts	3
CIS 199 Network Communications or ILT 135 Local Area Networks	3
CIS 268 Software Support or ILT 130 Software Installation and Maintenance	3
CIS 269 Hardware Support or ILT 129 Personal Computer Hardware	3
CIS 110 Intro to Computer Logic and Programming	3
ILT 101 Survey of Electronics	3
ILT 131 Personal Computer Problem Determination	3
Computer Science Elective	9
Programming Elective	6
Total Major Requirements	45

Total Semester Credit Hours **72-74**

**Keyboarding skills are essential for the successful completion of English 101.