

GER 101	Elementary German I	4
GER 102	Elementary German II	4
MGT 101	Principles of Management	3
MGT 120	Small Business Management	3
MGT 121	Small Business Operations	3
MGT 150	Fundamentals of Supervision	3
MGT 160	Managerial Motivation	3
MGT 201	Human Resource Management	3
MGT 210	Employee Selection and Retention	3
MGT 270	Managerial Communication	3
MKT 101	Marketing	3
MKT 110	Retailing	3
MKT 120	Sales Principles	3
MKT 135	Customer Service Techniques	3
MKT 210	Merchandising	3
MKT 240	Advertising	3
MKT 250	Consumer Behavior	3
MKT 260	Marketing Management	3
SPA 101	Elementary Spanish I	4
SPA 102	Elementary Spanish II	4

*Prerequisite of AOT 105 or equivalent

**May substitute ACC 101

Computer Technology

Associate in Applied Science

Computer Programming Career Path

Credit Requirements: 72 Semester Credit Hours

This program prepares students for employment as programmers.

Recommended Sequence of Courses

First Semester – Fall

CPT 102	Basic Computer Concepts	3
CPT 172	Microcomputer Database	3
CPT 232	C++ Programming I	3
ENG 101	English Composition I	3
MAT 109	College Algebra with Modeling	3
or		
MAT 110	College Algebra	3
or		
MAT 120	Probability and Statistics	3

Total 15

Second Semester – Spring

ACC 101	Accounting Principles I	3
CPT 220	e-Commerce	3
CPT 233	C++ Programming II	3
CPT 242	Database	3
CPT 257	Operating Systems	3

Total 15

Third Semester – Summer

BUS 101	Introduction to Business	3
CPT 236	Introduction to Java Programming	3
IST 220	Data Communications	3
IST 239	Datum and JavaScript	3

Total 12

Fourth Semester – Fall

CPT 212	Visual Basic Programming	3
CPT 239	Active Server Pages	3

or

CPT 283	PHP Programming I	3
CPT 270	Advanced Microcomputer Applications	3
IST 272	Relational Database	3
MGT 270	Managerial Communication	3

Total 15

Fifth Semester – Spring

CPT 244	Data Structures	3
CPT 264	Systems and Procedures	3
CPT 288	Computer Game Development	3

or

IST 235	Handheld Computer Programming	3
ECO 210	Macroeconomics	3
REQ HUM	Select one course from Humanities listing on page B-3	3

Total 15

Computer Technology

Associate in Applied Science

Information Systems Specialist Career Path

Credit Requirements: 72 Semester Credit Hours

This program prepares students for careers in a variety of information technology areas. It gives students a foundation in computer hardware, computer applications, computer programming, the Internet and computer networking. Information systems administrators are involved in many different aspects of computer technology and can expect to employ their skills in a variety of ways to assist all computer users in commercial settings. This program also allows students to become independent contractors, working with individuals and small businesses to overcome computer-related problems.

Business Technology

Recommended Sequence of Courses

First Semester – Fall

CPT 102	Basic Computer Concepts	3
CPT 114	Computers and Programming	3
CPT 124	AS/400 Operations	3
CPT 172	Microcomputer Database	3
CPT 220	e-Commerce	3

Total 15

Second Semester – Spring

CPT 207	Complex Computer Applications	3
CPT 255	Operating System Fundamentals	3
ENG 101	English Composition I	3
IST 220	Data Communications	3
MAT 109	College Algebra with Modeling	3
or		
MAT 110	College Algebra	3
or		
MAT 120	Probability and Statistics	3

Total 15

Third Semester – Summer

CPT 174	Microcomputer Spreadsheets	3
CPT 179	Microcomputer Word Processing	3
CPT 209	Computer Systems Management	3
ELE CPT	Select one course from Computer Technology Electives	3

Total 12

Fourth Semester – Fall

CPT 257	Operating Systems	3
CPT 270	Advanced Microcomputer Applications	3
ELE CPT	Select one course from Computer Technology Electives	3
ELE CPT	Select one course from Computer Technology Electives	3
MGT 270	Managerial Communication	3

Total 15

Fifth Semester – Spring

CPT 264	Systems and Procedures	3
ECO 210	Macroeconomics	3
ELE CPT	Select one course from Computer Technology Electives	3
ELE CPT	Select one course from Computer Technology Electives	3
REQ HUM	Select one course from Humanities listing on page B-3	3

Total 15

Computer Technology Electives

Microcomputer Programming

CPT 212	Visual Basic Programming	3
CPT 232	C++ Programming I	3
CPT 233	C++ Programming II	3
CPT 244	Data Structures	3
CPT 236	Introduction to Java Programming	3

Internet Programming

CPT 239	Active Server Pages	3
CPT 283	PHP Programming I	3
IST 239	Datum and JavaScript	3

Unix Systems Operations

IST 166	Network Fundamentals	3
IST 190	Linux Essentials	3
IST 191	Linux System Administration	3
IST 192	Linux Network Applications	3

Cisco Routing

IST 201	Cisco Internetworking Concepts	3
IST 202	Cisco Router Configuration	3
IST 203	Advanced Cisco Router Configuration	3
IST 204	Cisco Troubleshooting	3

Database

CPT 242	Database	3
IST 272	Relational Database	3

A+

CPT 210	Computer Resource Management	3
IST 161	Introduction to Network Administration	3
IST 166	Network Fundamentals	3
IST 190	Linux Essentials	3
IST 293	IT and Data Assurance I	3

Computer Gaming

CPT 288	Computer Game Development	3
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Other

CPT 282	Information Systems Security	3
CPT 290	Microcomputer Multimedia Concepts and Applications	3
CWE	Cooperative Work Experience	
IST 162	Introduction to Workstation Networking Administration	3
IST 235	Handheld Computer Programming	3
IST 286	Technical Support Internship I	3

General Business

Associate in Applied Science

Customer Service Career Path

Credit Requirements: 69 Semester Credit Hours

The General Business/Customer Service career path prepares students for careers in service-related industries, including the fundamentals of customer service and the makeup of service businesses.