

Computer Technologies

Associate of Applied Science

Mission Statement

The Computer Technologies Department is committed to student success. We address the disparate and constantly changing needs of students throughout the GBC service area who are preparing for technology-driven careers by improving our methods, techniques, and content to deliver high-quality educational experiences.

Certificate of Achievement <i>One Year</i>	Emphases in the Computer Technologies Associate Degrees <i>Two Years</i>	Bachelor Degrees <i>Four Years</i>
	AAS-CT - Computer Programming AAS-CT - Network Specialist	BAS - Digital Information Technology or BAS - Management and Supervision Emphasis
Office Technology	AAS-CT - Office Technology	
Graphic Communications	AAS-CT - Graphic Communications AA Pattern of Study - Graphic Communications AAS-CT - Web Development	BAS - Graphic Communications or BAS - Digital Information Technology or BAS-Management and Supervision Emphasis
	AS - Land Surveying	BAS - Land Surveying/Geomatics
Medical Coding and Billing	<i>The non-MCOD classes taken for the Medical Coding and Billing Certificate apply toward an Associate Degree</i>	

Computer Technologies

Associate of Applied Science — Computer Technologies Network Specialist Emphasis

Professional Skills and Career Paths

Network Administrator, Help Desk Technician, Technical and Network Support Technician, Network Security Technician, Computer Hardware Technician, Network Design Specialist, Computer Service Engineer, and Network Analyst.

Student Learning Outcomes

Graduates of this degree program will have the knowledge and skills to:

- Create and maintain a computer network.
- Install and configure network services.
- Maintain availability of network resources to authorized users.

General Education Requirements	Credits
English/Communications	6
ENG 100 or 101, and ENG 102 (recommended)	
Mathematics	3
MATH 126 or higher, includes STAT 152	
Science—PHYS 100 (recommended)	3
Social Science—PSC 101	3
Human Relations—BUS 110 (recommended)	3
Humanities or Fine Arts	
MUS 121 (recommended)	3
Technology—CIT 129 (required)	3

List of courses fulfilling general education requirements is on page 81.

Program Core Requirements	Credits
CIT 151 Beginning Web Development	3
COT 204 Using Windows.....	3
IS 201 Computer Applications	3

Program Emphasis Requirements	Credits
CIT 110 A+ Hardware	3
CIT 174 Linux Systems Administration	3
CIT 212 Microsoft Networking II	3
CSCO 120 CCNA Internetworking Fundamentals ..	4

Program Electives	Credits
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Select at least 15 credits from the following:

Microsoft Certification:

CIT 213 Microsoft Networking III.....	3
CIT 214 Microsoft Networking IV.....	3
CIT 215 Microsoft Networking V	3

CIT 217 Security +	3
CIT 263 Project Management.....	3

Cisco Certification:

CSCO 121 CCNA Routing and Switching Essentials	4
CSCO 130 Fundamentals of Wireless LANS.....	4
CSCO 220 CCNA Scaling Networks.....	3
CSCO 221 CCNA WAN Fundamentals.....	4
CSCO 230 Fundamentals of Network Security	4

SUGGESTED COURSE SEQUENCE AAS—Computer Technologies Network Specialist Emphasis

FALL—1st Semester	Credits
CIT 110	3
CIT 212	3
CSCO 120	4
ENG 100 or 101	3
MATH 126	3
TOTAL	16

SPRING—2nd Semester	Credits
CIT 174	3
COT 204	3
PROGRAM ELECTIVE	4-6
ENG 102	3
TOTAL	13-15

FALL—3rd Semester	Credits
CIT 129	3
CIT 151	3
IS 201	3
PROGRAM ELECTIVE	3
PSC 101	3
TOTAL	15

SPRING—4th Semester	Credits
BUS 110	3
MUS 121	3
PHYS 100	3
PROGRAM ELECTIVE	3-4
PROGRAM ELECTIVE	3-4
TOTAL	15-17

Refer to page 81. Minimum Credits: 60

After the AAS in Network Specialist, the next step could be the Bachelor of Applied Science in Digital Information Technology Emphasis. See page 130.