INFORMATION SYSTEMS TECHNOLOGY

Award: Associate of Applied Science Degree
Major: Information Systems Technology
Additional Program Information: https://www.brcc.edu/academics/programs/ist/
Potential Additional Funding Information: https://www.brcc.edu/g3/

Possible occupations for graduates are: computer operator, help desk support, computer programmer, programmer analyst, PC support technician, and network support technician.

The A.A.S. degree program with a major in Information Systems Technology is designed for people who seek employment or professional development as a generalist in the area of information systems technology, with specific knowledge in various areas such as microcomputer applications, programming, and networking support.

The Information Systems Technology program provides students with knowledge and skills needed to prepare for the Microsoft Office Specialist (MOS) Certification, CompTia A+ Certification, CompTia Network+ Certification, and CIW Foundations.

Required Courses
Curriculum

First Semester		Credit Hours
BUS 100	Introduction To Business	3
Select one of the following:		3
ENG 111	College Composition I [1]	
ENG 115	Technical Writing	
ITE 152	Introduction to Digital Literacy and Computer Applications	3
Select one of the following		3
MTH 111	Basic Technical Mathematics [2]	
MTH 154	Quantitative Reasoning	
MTH 155	Statistical Reasoning	
MTH 161	Precalculus I	
ITN 107	Personal Computer Hardware and Troubleshooting	3
SDV 101	Orientation to (IT Professions)	1
	Credit Hours	**16**
Second Semester		
BUS 270	Interpersonal Dynamics	3
ITN 106	Microcomputer Operating Systems	3
ITN 208	Protocols and Communications TCP/IP	4
Select one of the following:		3
ITP 100	Software Design	
CSC 110	Principles of Computer Science	
Select one of the following:		3
ENG 112	College Composition II [1]	
General Education Elective (https://catalog.brcc.edu/programs-study/general-education-aas/)		
	Credit Hours	**16**
Third Semester		
ITD 110	Web Page Design I	3
ITD 130	Database Fundamentals	3
ITE 120	Principles of Information Systems	3
ITN 260	Network Security Basics	3
ITN 257	Cloud Computing: Infrastructure and Services	3
IT Elective [3]		3
	Credit Hours	**18**
Fourth Semester		
Select one of the following:		3

ITP 296	On-site Training in ITP [4]	
ITP 298	Seminar & Project	
IT Elective [3]		3
ITE 160	Introduction to E-Commerce	3
Social and Behavioral Science Elective (https://catalog.brcc.edu/programs-study/general-education-aas/#social) [5]		3
Literature/Humanities/Fine Arts Elective (https://catalog.brcc.edu/programs-study/general-education-aas/#literature)		3
	Credit Hours	**15**
	Total Credit Hours	**65**

[1]   Students intending to transfer to a four-year university should select ENG 111 and ENG 112.

[2]   Students intending to transfer to a four-year university should select: MTH 154 or MTH 161.

[3]   IT electives include ACC 211, all 100-200 level ITE, ITD, ITP, and ITN courses not already required in the program.

[4]   The internship or capstone project should be completed in the last semester of the program. Credit for these courses may not be obtained through the College's advanced standing process.

[5]   Recommended elective ECO 201 or ECO 202.

Certificates
Cybersecurity and Networking Foundations

Award: Career Studies Certificate
Potential Additional Funding Information: https://www.brcc.edu/g3/

This curriculum is designed to provide students with fundamental knowledge and skills in computer networking, cyber threats, and how to secure hardware/software from vulnerabilities.

Code	Title	Credit Hours
ITN 106	Microcomputer Operating Systems	3
ITN 107	Personal Computer Hardware and Troubleshooting	3
ITN 208	Protocols and Communications TCP/IP	4
ITN 260	Network Security Basics	3
Select one of the following:		3
ITP 100	Software Design	
CSC 110	Principles of Computer Science	
SDV 101	Orientation to (IT Professions)	1
Total Credit Hours		**17**

Information Systems Technology

Award: Career Studies Certificate
Potential Additional Funding Information: https://www.brcc.edu/g3/

Code	Title	Credit Hours
ITD 130	Database Fundamentals	3
ITD 110	Web Page Design I	3
ITE 120	Principles of Information Systems	3
ITE 152	Introduction to Digital Literacy and Computer Applications	3
ITE 160	Introduction to E-Commerce	3
ITN 257	Cloud Computing: Infrastructure and Services	3
Total Credit Hours		**18**

Computer Help Desk

Award: Career Studies Certificate

Additional Program Information: https://www.brcc.edu/academics/programs/ist/

Purpose: To provide students with both the technical skills and the interpersonal skills needed to be successful in a help desk support position. The goal of the course content and the career studies certificate is to include up-to-date information and technology that is currently used by many help desk professionals in today's workforce. Following the completion of the program, graduates will be prepared for an entry-level position in a help desk support role.

Code	Title	Credit Hours
BUS 270	Interpersonal Dynamics	3
Select one of the following:		3
ENG 111	College Composition I	
ENG 115	Technical Writing	
Select one of the following:		3
ITE 140	Spreadsheeting for Business	
ITD 130	Database Fundamentals	
ITE 152	Introduction to Digital Literacy and Computer Applications	3
ITE 182	User Support/Help Desk Principles	3
ITN 103	Administration of Networked Services	3
ITN 106	Microcomputer Operating Systems	3
ITN 260	Network Security Basics	3
SDV 101	Orientation to (iT Professions)	1
Total Credit Hours		**25**

Information Technology

Award: Career Studies Certificate
Additional Program Information: https://www.brcc.edu/academics/programs/ist/

Purpose: To provide the student with an opportunity to explore various technical areas within Information Technology. These courses will provide an overview of the discipline for those interested in expanding their knowledge but will also provide an appropriate background for continuing academic studies.

Code	Title	Credit Hours
Select one of the following:		3
ITE 152	Introduction to Digital Literacy and Computer Applications [1]	
ITE 120	Principles of Information Systems	
Select one of the following:		3
ITP 100	Software Design	
CSC 110	Principles of Computer Science	
ITN 208	Protocols and Communications TCP/IP	4
ITD 130	Database Fundamentals	3
IT Elective [2]		3
ITN 257	Cloud Computing: Infrastructure and Services	3
Select one of the following:		3
ITP 296	On-site Training in ITP [3]	
ITP 298	Seminar & Project [3]	
IT Elective [2]		
SDV 101	Orientation to (IT Professions)	1
Total Credit Hours		**23**

[1]   ITE 152 is a co-requisite or prerequisite to most other IT courses and should be taken in the first semester.

[2]   IT electives include ACC 211 and all 100-200 level ITE, ITD, ITP, and ITN courses not already required in the program.

[3]   The internship or capstone project should be completed in the last semester of the program.