

INFORMATION SYSTEMS TECHNOLOGY: CLOUD COMPUTING

Award: Associate of Applied Science Degree

Major: Information Systems Technology

Specialization: Cloud Computing

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

Potential Additional Funding Information: <https://www.brcc.edu/g3/>

This curriculum is designed for those who seek employment in the field of cloud computing, for those who are presently in that field and who desire to increase their knowledge and update their skills, and for those who must augment their abilities in other fields with knowledge and skills in cloud computing.

Required Courses Curriculum

First Semester		Credit Hours
ENG 111	College Composition I	3
ITE 152 or ITE 120	Introduction to Digital Literacy and Computer Applications or Principles of Information Systems	3
ITP 100 or CSC 110	Software Design or Principles of Computer Science	3
Select one of the following:		
MTH 154	Quantitative Reasoning	
MTH 155	Statistical Reasoning	
Social and Behavioral Science (https://catalog.brcc.edu/programs-study/general-education-aas/#social)		3
SDV 101	Orientation (for IT Professionals)	2
Credit Hours		14
Second Semester		
Literature/Humanities/ Fine Arts Elective (https://catalog.brcc.edu/programs-study/general-education-aas/#literature)		3
ITN 103	Administration of Networked Services	3
ITN 208	Protocols and Communications TCP/IP	4
ITN 257	Cloud Computing: Infrastructure and Services	3
ENG 112	College Composition II	3
Credit Hours		16
Third Semester		
BUS 270	Interpersonal Dynamics in the Business Organization	3
ITN 106	Microcomputer Operating Systems	3
ITN 107	Personal Computer Hardware and Troubleshooting	3
ITN 170	Linux System Administration	3
ITN 254	Virtual Infrastructure: Installation and Configuration	4
Credit Hours		16
Fourth Semester		
ITN 213	Information Storage and Management	3
ITD 110	Web Page Design I	3
ITD 256	Advanced Database Management	3
ITN 260	Network Security Basics	3
ITP 296 or ITP 298	On-site Training in ITP ¹ or Seminar & Project	3
Credit Hours		15
Total Credit Hours		61

¹ 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.

Certificate 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
ITP 100	Software Design	3
or CSC 110	Principles of Computer Science	
SDV 101	Orientation (for IT Professionals)	2
Total Credit Hours		18

Cloud Computing

Award: Career Studies Certificate

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Code	Title	Credit Hours
ITD 256	Advanced Database Management	3
ITN 103	Administration of Networked Services	3
ITN 170	Linux System Administration	3
ITN 254	Virtual Infrastructure: Installation and Configuration	4
ITN 213	Information Storage and Management	3
ITN 257	Cloud Computing: Infrastructure and Services	3
Total Credit Hours		19