CLOUD COMPUTING, ASSOCIATE IN APPLIED SCIENCE (CSCC)

Part-Time Academic Plan

Course	Title	Hours
First Semester		
CS 101	Introduction to Computer Science	3
ENG 100	English Composition I	3
IMM 120	Web Page Design and Development	3
	Hours	**9**
Second Semester		
CS 113	Database Management Systems	3
NET 110	Network Communications	3
Any Quantitative Reasoning (QR) designated MAT course [1]		3-4
	Hours	**9-10**
Third Semester		
CS 142/143	Introduction to Cloud Computing Concepts and Administration using Microsoft Azure	3
NET 116	Microsoft Hybrid Server: Core Infrastructure	4
Any Oral Communications (OC) designated course		3
	Hours	**10**
Fourth Semester		
CS 142	Introduction to Cloud Computing Concepts and Administration using Microsoft Azure	3
or CS 143	or Introduction to Cloud Computing Concepts and Administration using Amazon Web Services	
NET 230	Linux Operating Systems I	4
ENG 112	English Composition II: Writing About Literature	3
	Hours	**10**
Fifth Semester		
CS 242	Azure Cloud Architect Technologies	3
or CS 243	or Amazon AWS Cloud Solutions Architecture	
Elective by Pathway		**3-4**
Cloud Software Developer Pathway, Select One:		
CS 102	Introduction to Python	
CS 104	Introduction to Java Programming	
CS 202	Intermediate Python	
CS 204	Intermediate Java Programming	
CS 212	Data Structures and Algorithms	
CS 214	jQuery/JavaScript	
CS 240	Responsive Web Design	
Cloud Engineer/Architect Pathway, Select One:		
NET 117	Microsoft Server: Networking	
NET 142	Cyber and Network Security Concepts	
Any Diversity and Social Justice (DJ) AND Global Understanding (GU) designated course		3
	Hours	**9-10**
Sixth Semester		
Electives by Pathway		**3-4**
Cloud Developer Pathway, Select One:		
CS 102	Introduction to Python	
CS 104	Introduction to Java Programming	
CS 202	Intermediate Python	
CS 204	Intermediate Java Programming	
CS 212	Data Structures and Algorithms	
CS 214	jQuery/JavaScript	
CS 240	Responsive Web Design	
Cloud Developer Pathway, Select One:		
NET 117	Microsoft Server: Networking	
NET 142	Cyber and Network Security Concepts	
Any Scientific Inquiry (SI) designated course		4
	Hours	**7-8**

Seventh Semester		
CS 242	Azure Cloud Architect Technologies	3
or CS 243	or Amazon AWS Cloud Solutions Architecture	
Mathematics Elective [1]		3-4
Hours		**6-7**
Total Hours		**60-64**

Quantitative Reasoning (QR) designated courses (https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#QR_Course_List)[1]

[1] not MAT 125

Oral Communications (OC) designated courses
Diversity and Social Justice (DJ) AND Global Understanding (GU) designated courses
Scientific Inquiry (SI) designated courses
Mathematics Elective

[2] MAT 120 or higher (not MAT 125 or MAT 126)