

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 or CS 143	Introduction to Cloud Computing Concepts and Administration using Microsoft Azure or Introduction to Cloud Computing Concepts and Administration using Amazon Web Services	3
NET 230	Linux Operating Systems I	4
ENG 112	English Composition II: Writing About Literature	3
Hours		10
Fifth Semester		
CS 242 or CS 243	Azure Cloud Architect Technologies or Amazon AWS Cloud Solutions Architecture	3
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 142	Cyber and Network Security Concepts	
NET 231	Microsoft Hybrid Server II	
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 142	Cyber and Network Security Concepts	
NET 231	Microsoft Hybrid Server II	
Any Scientific Inquiry (SI) designated course		4
Hours		7-8

Seventh Semester

CS 242 or CS 243	Azure Cloud Architect Technologies or Amazon AWS Cloud Solutions Architecture	3
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

¹not 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)