

CLOUD COMPUTING, ASSOCIATE IN APPLIED SCIENCE (CSCC)

Full-Time Academic Plan

First Semester		Hours
CS 101	Introduction to Computer Science	3
ENG 100	English Composition I	3
IMM 120	Web Page Design and Development	3
NET 110	Network Communications	3
Any Quantitative Reasoning (QR) designated MAT course ¹		3-4
Hours		15-16
Second Semester		Hours
CS 113	Database Management Systems	3
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 116	Microsoft Hybrid Server: Core Infrastructure	4
NET 230	Linux Operating Systems I	4
Any Oral Communications (OC) designated course		3
Hours		17
Third Semester		Hours
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
CS 242 or CS 243	Azure Cloud Architect Technologies or Amazon AWS Cloud Solutions Architecture	3
ENG 112	English Composition II: Writing About Literature	3
Any Diversity and Social Justice (DJ) AND Global Understanding (GU) designated course		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	
Hours		15-16
Fourth Semester		Hours
CS 242 or CS 243	Azure Cloud Architect Technologies or Amazon AWS Cloud Solutions Architecture	3
Any Scientific Inquiry (SI) designated course		4
Mathematics Elective ²		3-4
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 Architect Pathway Select One		
NET 142	Cyber and Network Security Concepts	
NET 231	Microsoft Hybrid Server II	
Hours		13-15
Total Hours		60-64

Notes:

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

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