

CLOUD COMPUTING, ASSOCIATE IN APPLIED SCIENCE (CSCC)

Curriculum

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 Server I: Installation and Storage	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 206	PHP/MySQL	
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	
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 206	PHP/MySQL	
CS 212	Data Structures and Algorithms	

CS 214	jQuery/JavaScript	
CS 240	Responsive Web Design	
Cloud Architect Pathway Select One		
NET 117	Microsoft Server: Networking	
NET 142	Cyber and Network Security Concepts	
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**

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