CLOUD COMPUTING, CERTIFICATE OF PROFICIENCY (CCCP)

Part-Time Academic Plan

The College will award a certificate of proficiency to students who complete 30 credits of an approved career program. These credits will not normally include physical education, developmental, basic and/or continuing education courses and will usually consist of 24 credits in the career specialty and six credits in general education. At least 50 percent of the credits must be earned at Delaware County Community College. The student must have a cumulative GPA of 2.0 or higher. At least six credit hours must be in courses that are awarded grade points.

Course	Title	Hours
First Semester		
CS 101	Introduction to Computer Science	3
CS 113	Database Management Systems	3
NET 110	Network Communications	3
	Hours	**9**
Second Semester		
CS 142	Introduction to Cloud Computing Concepts and Administration using Microsoft Azure	3
CS 143	Introduction to Cloud Computing Concepts and Administration using Amazon Web Services	3
NET 116	Microsoft Hybrid Server: Core Infrastructure	4
	Hours	**10**
Third Semester		
NET 230	Linux Operating Systems I	4
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	
	Hours	**7-8**
Fourth Semester		
CS 242	Azure Cloud Architect Technologies	3
CS 243	Amazon AWS Cloud Solutions Architecture	3
	Hours	**6**
	Total Hours	**32-33**