

Networking Services Technology - Enterprise Cloud Computing
CIP (1511100112)
Associate in Science | Code: 25077 | 60 credits

Effective Term: Fall 2019

Program Description:

The Enterprise Cloud Computing program is designed to provide an opportunity to establish foundation in architect scalable, highly available application solutions that leverage cloud computing services. Utilizing best practices focusing on cloud security, cost, and reliability. Graduates of the track in Enterprise Cloud Computing will utilize core design patterns and infrastructure expertise to implement solutions to deploy and maintain workloads and applications. Graduates are prepared for positions as entry-level Solutions Architect, Cloud Architect, Cloud Engineer and Cloud Application Architect.

Course ID	Course Title	Credits	Pre/Co-Requisites
<u>GENERAL EDUCATION REQUIREMENTS (15 credits)</u>			
COMMUNICATIONS (3.00 credits)			
ENC 1101	English Composition 1	(3 credits)	
ORAL COMMUNICATIONS (3.00 credits)			
SPC 1017	Fundamentals of Speech Communication	(3 credits)	
SPC 2608	Introduction to Public Speaking	(3 credits)	
HUMANITIES (3.00 credits)			
PHI 2604	Critical Thinking/Ethics	(3 credits)	
BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)			
CLP 1006	Psychology of Personal Effectiveness	(3 credits)	
MATH/SCIENCE (3.00 credits)			
MAC 1105	College Algebra	(3 credits)	Pre-Req MAT 1033
<u>COMPUTER COMPETENCY</u>			
Computer Competency Test			
Or			
CGS 1060C	Introduction to Computer Technology & Applications	(4 credits)	
<u>MAJOR COURSE REQUIREMENTS (16.00 credits)</u>			
CGS 1060C	Introduction to Computer Technology & Applications	(4 credits)	
CTS 1120	Fundamentals of Networking Security	(4 credits)	
CTS 2303	Configuring Windows Servers	(4 credits)	
CTS 2306	Windows Networking Services	(4 credits)	
<u>PROGRAM COURSE REQUIREMENTS (24.00 credits)</u>			
CTS 1111	Linux +	(4 credits)	
CTS 1134	Networking Technologies	(4 credits)	
CGS1540C	Database Concepts Design	(4 credits)	
CTS 1145	Cloud Essentials	(4 credits)	Co-Req CTS 1134
CTS2375C	Cloud Infrastructure and Services	(4 credits)	Pre-Req CTS 1145 Co-Req CTS 2960
CTS2960	Cloud Computing Capstone	(4 credits)	Co-Req CTS 2375C
<u>PROGRAM COURSE ELECTIVE (5.00 credits)</u>			
CGS*, CIS*, COP*, CTS*		(4 credits)	