COMPUTER INFORMATION TECHNOLOGY/ CLOUD COMPUTING PRACTITIONER

The Cloud Computing program prepares students to design solutions for Infrastructure as a Service (IaaS) architectures by provisioning computing instances, establishing virtual private networks, and managing databases and storage within a secure online environment. Students produce dynamic solutions responsive to information and computing technology workloads with on-demand pay-as-you-go pricing allowing flexibility for small business, entrepreneurship and enterprise adoption. Industry certifications are embedded to prepare for occupations in Cloud Architect, Cloud Support Associate, Cloud Engineer or Cloud Technicians. Some preparation in information technology or computer programming is recommended.

To acquire the **Certificate of Achievement in Computer Information Technology/Cloud Computing Practitioner**, it is necessary to complete the following courses:

Required Courses		Units	N	IP	C
CIT 114	Introduction to Cloud Computing with DevOps	**4**			
CIT 172	*Database Essentials in Amazon Web Services	**3**			
CIT 173	*Compute Engines in Amazon Web Services	**1.5**			
CIT 174	*Security in Amazon Web Services	**1.5**			
CIT 175	*DevOps Engineering in Amazon Web Services	**3**			
Choose one of the following options:					
CIT 139	*Linux I	**3**			
OR					
CIT 171	*Network+	**3**			
OR					
CIT 200	*Systems Analysis and Design	**3**			
OR					
CIT 111	Introduction to Programming	**3**			
AND					
CIT 127	*Python Programming I	**3**			
Total units needed for Certificate of Achievement		**16-19**			
Units Completed					
*Prerequisite/Corequisite					