Cloud Computing Certificate of Achievement

Program Goals and Objectives

The goal of the Cloud Computing Certificate of Achievement is to provide the industry standard skills to understand the cloud, manage cloud resources and develop cloud applications. Students learn a range of topics that cover the technical principals of the hardware, software, and networking requirements to run systems in the cloud including storage, database management, and software systems, while maintaining secure access.

Catalog Description

The goal of the Cloud Computing Certificate of Achievement is to provide the industry standard skills needed to understand the cloud, manage cloud resources such as storage, databases, virtual environments, programming, security and web services. The program provides 16-18 units of instruction on the industry standard skills to understand and develop applications for the cloud. Students learn a range of topics that cover the technical principals of the hardware and software requirements to run systems in the cloud including storage, database management, and software systems, while maintaining secure access.

Career Opportunities

Cloud Career Opportunities include, but are not limited to, Cloud Practitioner, Junior AWS Cloud Engineer, Cloud Technician, Cloud Solutions Architect, Operational Support Engineer, Cloud Software Engineer, Cloud Developer.

Course Sequence

Cloud Computing - - Certificate of Achievement (16 -18 Units)

Required Core: (12 Units)

CIS 81A	Introduction to Cloud Computing	3 units
CIS 81B	Database Essentials in the Cloud	3 units
CIS 81C	Compute Engines for Cloud Computing	3 units
CIS 81D	Security Services in the Cloud	3 units

Select Two (4-6 Units) Units

CIS 82A	AWS Cloud Practitioner Certification Prep	2 units
CIS 82B	AWS Cloud Solutions Architecture Certification Prep	2 units
CS 7 Introduction to Computer Programming Concepts (Python)		3 units
CS 41 Introduction to Linux/LPI Linux+ Certification or CNT 7401 - Introduction to Linux/LPI Linux+ Certification		3 units