

Certificate in Cloud Administration (CCA)

12 Semester Credit Hours (90 Lab Hours; 135 Lecture Hours)

Length: 15 weeks; SOC Code: 15-1152

Tuition: \$7,320.00 Technology Fees: \$150.00

Description

The Certificate in Cloud Administration is designed for the Computer Service Technician who wants to expand their competence into the area of computer networking on premise and in the cloud. It provides the foundational skills required to install, configure, troubleshoot, and maintain network server systems and cloud management in business environments. Major topics covered include hardware technologies, operating systems, networking, security, cloud models and cloud solutions management. This program prepares students for careers in a variety of positions including LAN Administrator, Junior Network Administrator and Technical Support Specialist.



Economic Outlook and Growth of the Industry

According to the Bureau of Labor Statistics, Occupational Outlook Handbook, 2012 edition, Computer Network Systems, Systems and Database Administrators employment expected to grow by 9 percent from 2018 to 2028, which is much faster than the average for all occupations. Demand for these workers will increase as organizations continue to adopt and integrate increasingly sophisticated technologies and as the need for information security grows. According to bls.gov, the median annual wages of Information Security Analyst was \$83,000 in 2019.

Program Objectives

Upon completion of the Certificate in Cloud Administration Program, the graduate will be able to:

1. Install, upgrade, and migrate Windows Server in host and compute environments on servers and workloads.
2. Install Windows Server features and roles; install and configure Windows Server Core; manage Windows Server Core installations using GUI and Windows PowerShell.
3. Create, direct, and manage Active Directory services.
4. Install and configure Hyper-V and Virtual Machines.
5. Migrate virtual servers to Microsoft Azure™ cloud.
6. Create, manage, and maintain cloud resources and services in major providers like Microsoft Azure™ and AWS™.
7. Budget expenditures for cloud products that provide solutions to today's modern businesses.

Graduation Requirements

In order to graduate from California Institute of Arts & Technology and receive their Certificate as Computer Technician, the student must successfully:

1. Complete the three core courses (12 Semester Credit Hours) with an overall average GPA of minimum 2.0. These courses may be completed by:
 - a. Successfully completing the course at California Institute of Arts & Technology. A minimum of one course must be completed in this manner.
 - b. Transferring credit, up to two courses (8 semester credit hours) from an accredited institution of higher learning.
 - c. Challenge Exam of up to one course. Each successfully challenged course will be subtracted from the allowed transfer credits.

CCA Course Plan

This table details the courses required for completion of CIAT's Certificate as Certificate in Cloud Administration Program:

3 Courses Required (12 Semester Credits)		
130	Windows Server to Azure Cloud Concepts	4
131	Azure Cloud Administration	4
132	AWS Certified Cloud Practitioner	4