CLOUD COMPUTING - ASSOCIATE IN SCIENCE

Plan Code: 2132

The Cloud Computing Associate in Science degree provides the student with the industry skills to understand, build, and maintain cloud applications. These skills include the technical principles lau l e^{ye}

database management, and software systems, while maintaining secure access.

Program Student Learning Outcomes

- Demonstrate the ability to attain the Institutional Student Learning Outcomes (ISLOs).
- Create Infrastructure as a Service (IaaS) solutions by provisioning computing instances, establishing virtual private networks, and managing databases, and storage within a secure online environment.
- Analyze performance metrics of cloud architecture to respond dynamically to information and computing technology workloads and optimize service costs.
- Create Infrastructure as a Service using automated code scripts (Infrastructure As Code).

Program Requirements

This degree requires the completion of t́   th pujfp of   s plus One, following:r

Code Number	Course Title	Units
REQUIRED COURSES		
COSN 10	Networking Fundamentals	3
COSN 205	UNIX/LINUX Fundamentals	4
COSN 230	Microsoft Windows Server	4
COSN 250	Cloud Computing in Amazon Web Services	3
COSN 251	Database Essentials in Amazon Web Svcs	3
COSN 252	App Development in Amazon Web Services	3
COSN 253	Security in Amazon Web Services	3
COSS 271	Network Security Fundamentals	3
Subtotal Units		26

IN ADDITION, complete ONE (1) course from the following:

CS 31	Introduction to Computer Science-Python (3)	
Subtotal Units		3
Required Subtotal		29

Complete one of the following: [1]

LBCC General Education (Plan A) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-a/)

CSU GE Breadth (Plan B) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-b/)

IGETC Pattern (Plan C) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/)
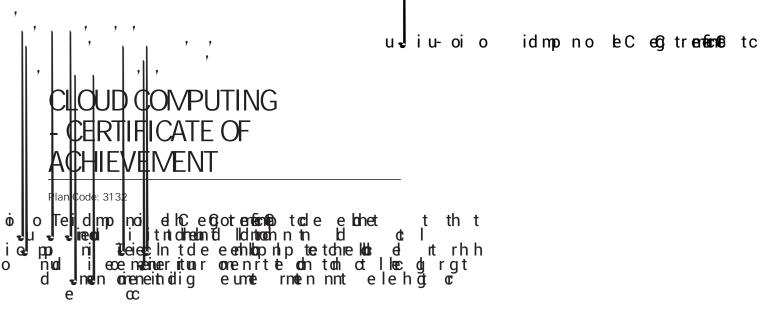
Electives (as needed to reach 60 degree-applicable units) [2]	
Minimum Degree Total	60

[1] Units for the major may be double-counted for LBCC GE, CSU GE, or IGETC; see counselor for limitations.

[2] Elective units from course(s) numbered 1-599, if needed, to reach 60 degree-applicable units.

CLOUD COMPUTING – CERTIFICATE OF ACHIEVEMENT

Plan Code: 3132

Program Student Learning Outcomes