



# Science, Technology, Engineering, and Mathematics Career and Academic Pathways (CAPs) Program Map: Skills Certificate for Cloud Computing 1

Total number of units: 12 units

Top Code/Academic Plan: 0708.00

Updated on July 7, 2021

Semester 1	Course Code	Course	Units	Notes	Advising Notes
Program Course	CIS 192	<b>Introduction to Cloud Computing</b>	3	Formerly CO SCI 276. Many sections offered every semester including intersessions.	Offered online and face to face.
Program Course	CIS 193	<b>Database Essentials in Amazon Web Services</b>	3	Formerly CO SCI 277. Offered every spring and fall.	This course has prerequisite: CIS 192.

**Total Units 6**

Semester 2	Course Code	Course	Units	Notes	Advising Notes
Program Course	CIS 194	<b>Compute Engines in Amazon Web Services</b>	3	Formerly CO SCI 278. Offered every spring and fall.	This course has prerequisite: CIS 192.
Program Course	CIS 195	<b>Security in the Cloud</b>	3	Formerly CO SCI 279. Offered every spring and fall.	This course has prerequisite: CIS 192.

**Total Units 6**

### Degree Path and Requirements:

All the courses in this certificate also apply to the Cloud Computing Certificate of Achievement.

### Department Advising Notes:

CIS 192 is pre-requisite for CIS 193, 194 & 195, and students are encouraged to complete CIS 192 during an intercession.

### Program Description

This Cloud Computing 1 Skill certificate enables students to learn the basic functions of the emerging Cloud technology, and it will also lead to Cloud Computing Certificate of Achievement. Students after completing this certificate will develop competence in this subject area.

### Career and Transfer Opportunities

Many organizations have already adopted cloud computing and multiple studies project cloud computing will grow rapidly over the next several years. Cloud Computing and cybersecurity are only two areas that are expected to lead employment increases in the computer systems design and related services industry – See [Careers in the growing field of information technology services](#) by Lauren Csorny.

### Youtube Videos

[How To Become A Cloud Engineer](#) | [Cloud Engineer Salary](#) | [Cloud Computing Engineer](#) | [Simplilearn](#)

### Program Map

A suggested sequence of classes to complete a degree, certificate, or program of study. Students should consult an academic counselor for variations to this plan based on part-time or full-time status, transfer plans, pre-requisites needed, etc.

### Prerequisite Course

A specific course that must be completed before advancing to the next course.

Check the online catalog at [elac.edu](http://elac.edu) for the latest and most accurate information.

### Contact

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