



Science, Technology, Engineering, and Mathematics Career and Academic Pathways (CAPs) Program Map: Certificate of Achievement for Computer Science Information Technology - Microcomputers

Total number of units: 18 units

Top Code/Academic Plan: 7020.00

Updated on July 7, 2021

Semester 1	Course Code	Course	Units	Notes	Advising Notes
Program Course	CIS 101	Introduction to Computers and Their Uses	3	Formerly CO SCI 201. Many sections offered every semester including intersessions.	Offered online and face to face.
Program Course	CS 111	Programming in Visual Basic	3	Formerly CO SCI 208. Offered every spring and fall.	Offered online and face to face.

Total Units 6

Intersession	Course Code	Course	Units	Notes	Advising Notes
Program Course	CIS 111	Supporting Windows Desktops	3	Formerly CO SCI 234. Offered every spring and fall.	This course has pre-requisite CIS 101.

Total Units 3

Semester 2	Course Code	Course	Units	Notes	Advising Notes
Program Course	CIS 123	Microcomputers in Business	3	Formerly CO SCI 200. Offered every spring and fall.	
Program Course	CIS 120	Introduction to Databases	3	Formerly CO SCI 233. Offered every spring and fall.	
Program Course	CIS 210	Introduction to Computer Networking	3	Formerly CO SCI 237. Offered every spring and fall.	

Total Units 9 **This course has a prerequisite of CIS 101**

Degree Path and Requirements:

Courses for this certificate can be used towards Computer Science AA degree.

This map is a suggested term-by-term sequence of courses to complete the program in a recommended time frame. This is an efficient and recommended plan, but actual plans may vary by individual student need. This map cannot replace a meeting with [counselors](#).

Department Advising Notes:

You are advised this path for the certificate and degree. Do note that some courses are offered online.

Program Description

This program is designed to give students fundamental entry-level job skills, a marketable level of computer literacy, and an opportunity to transfer most of the Computer Science Information Technology courses to a four-year university. These courses provide students with the basics of computer concepts, terminology, applications software, programming and the Internet.

Career and Transfer Opportunities

Employment of computer support specialists is projected to grow 8 percent from 2019 to 2029, much faster than the average for all occupations. More support services will be needed as organizations upgrade their computer equipment and software. See the [job outlook](#) from U.S. Bureau of Labor Statistics. Visit the [Transfer Center](#) for transfer and guaranteed transfer information, which varies based on transfer college. Make an appointment with a [counselor](#) for transfer information. Students can visit [Career and Job Services](#) or [Career Coach](#) for career counseling and further exploration.

Youtube Videos

[Computer User and Network Support Specialists Career Video](#)

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-requisiteisites needed, etc.

Prerequisite Course

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

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

Contact

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