



Science, Technology, Engineering, and Mathematics Career and Academic Pathways (CAPs) Program Map: Skills Certificate for Cyber Security

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 101	Introduction to Computers and Their Uses	3	Formerly CO SCI 201. Many sections offered every semester including intersessions. CIS 101 meets the GE Area D2 (Communication and Analytical Thinking) requirement. Speak to a counselor for details.	Offered online and face to face.
Program Course	CIS 162	Cyber Security I	3	Formerly CO SCI 211. Offered every spring and fall.	

Total Units 6

Semester 2	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-req CIS 101.
Program Course	CIS 210	Introduction to Computer Networking	3	Formerly CO SCI 237. Offered every spring and fall.	

Total Units 6

Degree Path and Requirements:

Students can complete CIS 101 in an intercession and then CIS 123 the following semester.

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:

Students can also complete CIS 101 during intercession.

Program Description

The Cyber Security Skill Certificate is designed to give essential skills in protecting computers and networks, devices, and programs from cyberattacks.

Career and Transfer Opportunities

Employment of information security analysts is projected to grow 31 percent from 2019 to 2029.

See: [Advice from a Cyber Security expert](#)

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

[An Introduction to Cybersecurity Careers](#)

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 for the latest and most accurate information.

Contact

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