

SCIENCE, MATH & ENGINEERING PATHWAY PROGRAM MAP: CATALOG YEAR: 2022-23

Computer Information Systems: Networking Certificate

Networking is one of the fastest growing fields in the state. The AS degree in networking will prepare a student to become a Cisco Certified Network Associate and for a career in computer networking.

Please see a Pathways Counselor: Create an education plan customized to meet your needs. [Contact a Counselor](#)

Transfer Majors/Award Focus

- Computer Science, A.S.-T CSU, CSUSM, UC
- Computer Information Systems, A.S., Focus: Authoring, Networking, Programming: General, Database, Web
- Internet Authoring, Networking, Programming Certificate

GE Pattern/Units

- GE Pattern: n/a
- Total Units: 18



Program maps indicate the major coursework and recommended general education courses to fulfill your degree in 2 years (approximately 15 units/semester or 30 units/year). If you are a part-time student, start Semester 1 courses and follow the course sequence. Some of the courses listed may be substituted by another course. Please view these options in the official course [catalog](#).

Semester 1

6 Units

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	CSIS-202	CCNA 1 Computer Networks	3
<input type="checkbox"/>	CSIS-101	Introduction to Computers and Data Processing	3

Semester 2

9 Units

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	CSIS-791	CCNA 2 Routing and Switching Essentials	3
<input type="checkbox"/>	CSIS-592	CCNA 3 Scaling Networks ¹	3
<input type="checkbox"/>	CSIS-201	System Analysis and Design	3

Semester 3

3 Units

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	CSIS-593	CCNA 4 Connecting Networks	3

Notes:

¹Take second 8 weeks.

Work Experience

Sign up for a special project or internship opportunity. Gain [work experience](#) and earn credits.

Career Options

Networking & IT Administration (A, B)
Web Development, Programming (A, B)
Find more careers: msjc.emsicc.com
Required Education: SM: some college; C: Certificate; A: Associate,
B: Bachelor's, M: Master's; D: Doctorate



Financial Aid

Financial aid is determined by the number of credit hours you take in a semester. Maximize your financial aid by taking 12-15 units per semester.