***Computer Information Systems: Networking Certificate***

Networking is one of the fasted 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](https://www.msjc.edu/hub/)

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](https://catalog.msjc.edu/instructional-programs/).

***Semester 1 6 Units***

|  |  |  |  |
| --- | --- | --- | --- |
| a | COURSE | TITLE | UNIT |
| c | CSIS-202 | CCNA 1 Computer Networks  | 3 |
| c | CSIS-101 | Introduction to Computers and Data Processing | 3 |

***Semester 2 9 Units***

|  |  |  |  |
| --- | --- | --- | --- |
| a | COURSE | TITLE | UNIT |
| c | CSIS-791 | CCNA 2 Routing and Switching Essentials  | 3 |
| c | CSIS-592 | CCNA 3 Scaling Networks1 | 3 |
| c | CSIS-201 | System Analysis and Design | 3 |

***Semester 3 3 Units***

|  |  |  |  |
| --- | --- | --- | --- |
| a | COURSE | TITLE | UNIT |
| c | CSIS-581 | OS Installation and Configuration | 3 |

Notes***:***

## 1 Take second 8 weeks.

Work Experience

Sign up for a special project or internship opportunity. Gain [work experience](https://msjc.edu/careereducation/cwee/index.html) and earn credits.

Career Options

Networking & IT Administration (A, B)

Web Development, Programming (A, B)

Find more careers: [msjc.emsicc.com](http://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.