Computer Information Systems: Associate in Science – Non-Transfer Focus: Networking

Computers are ubiquitous. They are in our hospitals, our educational institutions, our businesses, and our homes. In CIS you will explore how digital solutions are analyzed, developed, and implemented into artifacts that humans use every day. As a CIS graduate, the world will be your oyster. Your skills are in great demand in all fields of business, industry, and education.

Please see a Pathways Counselor: A local degree requires a minimum of 60 degree-applicable units with a minimum 2.0 GPA overall. Contact a Counselor to create an education plan customized to meet your needs.

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: Option A
- Total Units: 60

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   14 Units

	COURSE	TITLE	UNIT
☐	ENGL-101	College Composition	4
☐	MATH-105	College Algebra [1]	4
☐	CSIS-101	Introduction to Computers and Data Processing	3
☐	CSCR-100	College Success and Career Readiness	3

Semester 2   15 Units

	COURSE	TITLE	UNIT
☐	CSIS-202	CCNA 1 Computer Networks	3
☐	PS-101	Introduction to American Government and Politics	3
☐	GEOG-108	World Regional Geography	3
☐	CSIS-201	System Analysis and Design	3
☐	ART-100	Art Appreciation	3

Career Options
Networking & IT Administration (A, B)
Web Development (A, B)
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.

Notes
[1] AREA G (Math Competency) can be demonstrated by a high school math course at or above the level of Algebra 2 with a grade of C or better.

This program map is not a guarantee of course availability or financial aid applicability.

Semester 3   16 Units

☐	COURSE	TITLE	UNIT
☐	CSIS-791	CCNA 2 Routing and Switching Essentials[1]	3
☐	CSIS-592	CCNA 3 Scaling Networks[2]	3
☐	BIOL-100 or BIOL-115	Human Biology or Topics in Biology	4
☐	CSIS-160	Information Security Systems	3
☐	COMM-103	Interpersonal Communication	3

Semester 4   15 Units

☐	COURSE	TITLE	UNIT
☐	CSIS-581	OS Installation and Configuration	3
☐	CSIS-115A	Web Development - Level 1	3
☐	CSIS-514A	SQL Programming - Level 1	3
☐	ECON-201 or PSYC-101	Principles of Macroeconomics or Introduction to Psychology	3
☐	CSIS-164	Cybersecurity: Ethical Hacking	3

Notes:

[1] Take first 8 weeks: CSIS-791 CCNA 2 Routing and Switching Essentials
[2] Take second 8 weeks: CSIS-592 CCNA 3 Scaling Networks

Work Experience

Sign up for a special project or internship opportunity. Gain work experience and earn credits.