Management Information Science A.S. Degree

This program map represents one possible path for completing this program. **Please see a counselor** to create an educational plan that is customized to meet your needs. This path is not a guarantee of course availability or financial aid applicability.

First Year

Semester 1 — 15-16 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISC 310	Introduction to Computer Information Science	3	
Maj	CISA 315	Introduction to Electronic Spreadsheets	2	
ME	CISC 320 / 323	Operating Systems	1	
GE	INDIS 313*	Freshman Seminar	3	IIIB
GE	ENGWR 300** / 488 H / ESLW 340	College Composition	3-4	IIA
GE		Social & Behavioral Sciences	3	VB

*INDIS 313 - Freshman Seminar is specifically designed for First Time in College students. If you're not a First Time in College student, please select a GE course from SCC General Education Area IIIb, such as HCD 310-College Success.

**If you don't place directly in ENGWR 300 (check your e-Services account), you will need to take ENGWR 80/ENGWR 300 combo course.

Semester 2 — 16 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISA 305 +	Beginning Word Processing	2	
Maj	CISP 301	Algorithm Design and Implementation	4	
Maj	CISC 305 +	Introduction to the Internet	1	
Maj	CISA 340	Presentation Graphics	2	
GE	STAT 300* / 480 H	Introduction to Probability and Statistics	4	IIB
GE		Humanities	3	I

+ Prerequisite for CISA 305: CISC 300 or 310 with a grade of "C" or better

+ Prerequisite for CISC 305: CISC 300, 310, or 320 with a grade of "C" or better

*If you don't place directly in STAT 300 (check your e-Services account), you will need to take STAT 10/STAT 300 combo course.

Legend

- **(H)** - Honors
- **Elec** - Elective
- **GE** - General Education
- **Maj** - Required Core
- **ME** - Major Elective

Disclaimer

AA/AS Requirements

Associate Degrees require the following:

1. **Completion of a minimum of 60 degree-applicable units with an overall grade point average (GPA) of 2.0 ("C" ave**https://scc.losrios.edu/2024-2025-official-catalog/graduation-and-transfer/associate-degree-graduation-requirements#competency**age). A minimum of 12 units must be completed at Sacramento City College.**

2. **Completion of each required course with a grade of "C" or better for a major offered at Sacramento City College.**

3. **Completion of Sacramento City College's general education requirements – Area I; Area II(a) and II(b); Area III(a) and III(b), or Area III(c); Area IV; Area V; and Area VI – with an overall 2.0 GPA.**

4. **Completion of all three competency requirements (reading, writing, and mathematics).**

Second Year

Semester 3   16 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISP 360 [+]	Introduction to Structured Programming	4	
ME		*Major Elective (List A)	2	
ME		*Major Elective (List B)	3	
GE		American Institutions	3	VA
GE		Ethnic/Multicultural Studies	3	VI
GE		Physical Education	1	IIIA

See Lists in Semester 4.

+ Prerequisite for CISP 360: CISP 301 with a grade of "C" or better

Semester 4   14 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
ME	CISP 400 [+] / 401 [+]	Object Oriented Programming with C++	4	
ME		*Major Elective (List A)	2	
ME		*Major Elective (List B)	3	
GE		Natural Sciences	3	IV
Elec	CISA 323 [+]	Database Management using Microsoft Access	2	

+ Prerequisite for CISP 400: CISP 360 with a grade of "C" or better

+ Prerequisite for CISP 401: CISP 360 with a grade of "C" or better

+ Prerequisite for CISA 323: CISC 300 or 310 with a grade of "C" or better

**Electives may include any courses numbered 100-499.

List A (A minimum of 4 units from the following:)

CISA 306 Intermediate Word Processing

CISA 316 Intermediate Electronic Spreadsheets

CISC 324 Intermediate Linux Operating System

CISC 355 Introduction to Data Communication

CISC 360 Information & Communication Technology Essentials (A+)

CISP 350 Database Programming

List B (A minimum of 6 units from the following:)

CISC 355 Introduction to Data Communications

CISD 357 or CISP 357 Introduction to Data Science

Students with Advanced Placement (AP) and International Baccalaureate Credit (IB) test scores should notify their Counselor to learn more about how test scores may be used for credit.

Exception: Students who possess a bachelor's (BA/BS) or higher degree from a college or university accredited through a regional accrediting agency recognized by the Council for Higher Education Accreditation (CHEA) are deemed to have satisfied both the general education and graduation competency requirements for an AA/AS degree. Degrees from accredited institutions outside of the US will be evaluated on a case-by-case basis.

Placement Information

Support courses required for English and Math per placement. *Check your e-Services account under "Academic Records" to determine your placements*.

Department Notes

- Students are encouraged to contact the CIS faculty for sequence adjustments.

- Department contact: Sheley Little

Littlem@scc.losrios.edu

Important Links

SCC General Counseling
Computer Science - Management Information Science
Business & Industry Meta Majors

CISD 358 or CISP 358 Data Analysis

CISN 300 Network Systems Administration

CISN 303 Network Administration - Linux Server

CISN 306 Advanced Network Systems Administration

CISN 308 Internetworking with TCP/IP

CISP 310 Assembly Language Programming for Microcomputers

CISP 350 Database Programming

CISP 400 Object Orientated Programming with C++

CISP 401 Object Orientated Programming with Java

CISP 430 Data Structure

CISP 440 Discrete Structure for Computer Science

CISP 457 Introduction to Systems Analysis & Design

CISS 300 Introduction to Information Systems Security

CISS 315 Ethical Hacking

CISS 310 Networking Security Fundamentals

CISW 327 Networking to Web Development coding HTML & CSS

CISW 400 Client-side Web Scripting (only offered in the Fall Semester)

CISW 410 Middle Web Scripting