Management Information Science Certificate

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   14 Units

CAT.	COURSE	TITLE	UNIT
Maj	CISC 310	Introduction to Computer Information Science	3
Maj	CISP 301	Algorithm Design and Implementation	4
ME	CISC 320 / 323	Major Elective	1
ME		*Major Elective (List A)	3
Maj	CISA 305 [+]	Beginning Word Processing	2
Maj	CISC 305 [+]	Introduction to the Internet	1

*See Lists in Semester 3.

+ 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

Semester 2   12 Units

CAT.	COURSE	TITLE	UNIT
Maj	CISP 360 [+]	Introduction to Structured Programming	4
Maj	CISA 323 [+]	Database Management using Microsoft Access	2
Maj	CISA 315	Introduction to Electronic Spreadsheets	2
ME		*Major Elective	2
Maj	CISA 340	Presentation Graphics	2

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

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

*Major Elective - A minimum of 4 units from the following: CISA 306+, CISA 316+, CISC 324+, CISC 355, CISC 360.

+ Prerequisite for CISA 306: CISA 305 with a grade of "C" or better

+ Prerequisite for CISA 316: CISA 315 with a grade of "C" or better

+ Prerequisite for CISA 324: CISA 323 with a grade of "C" or better

Second Year

Legend

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

Disclaimer

Every effort has been made to ensure that what is listed in the SCC Program Paths are accurate. The courses, the course sequencing, and the programs are subject to change without notice by the administration of the Los Rios Community College District and Sacramento City College at the discretion of the district and Sacramento City College. Further, Sacramento City College reserves the right to amend any course or program.

PLEASE SEE AN SCC COUNSELOR.

Department Notes

- Students are encouraged to contact CIS faculty for sequence adjustments.
- Department contact: Sheley Little

littlem@scc.losrios.edu

Certificate of Achievement Requirements

Certificates of Achievement require a grade of "C" or better in each course with a minimum of 12 units completed at Sacramento City College.

Important links

SCC General Counseling
Computer Science
Business & Industry Meta Majors

Semester 3   9 Units

CAT.	COURSE	TITLE	UNIT
ME	CISP 400 [+] / 401 [+]	Major Elective	4
ME		*Major Elective	2
ME		**Major Elective (LIST A)	3

+ Prerequisite for CISP 400 & 401: CISP 360 with a grade of "C" or better

*Major Elective - A minimum of 4 units from the following (2 units this semester not already completed in a previous semester): CISA 306+, CISA 316+, CISC 324+, CISC 355, CISC 360.

+ Prerequisite for CISA 306: CISA 305 with a grade of "C" or better

+ Prerequisite for CISA 316: CISA 315 with a grade of "C" or better

+ Prerequisite for CISA 324: CISA 323 with a grade of "C" or better

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

CISC 355 Introduction to Data Communications

CISN 300 Network Systems Administration

CISN 303 Network Administration - Linux Systems

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 Oriented Programming with C++

CISP 401 Object Oriented Programming with Java

CISP 430 Data Structures

CISP 440 Discrete Structures for Computer Science

CISP 457 Introduction to Systems Analysis & Design

CISS 300 Introduction to Information Systems Security

CISS 315 Ethical Hacking

CISS 310 Network Security Fundamentals

CISW 327 Introduction to Web Development coding HTML & CSS

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

CISW 410 Middleware Web Scripting

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