



This program roadmap represents one possible pathway to complete the program. **Please see a counselor** to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability.

**Catalog:** 2026-27

**GE Pattern:** local AA/AS

**Total Units:** 60

**Start Term:** Fall

## First Year

### Semester 1 (Fall)

15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	CISA 320 Introduction to Database Management	1		
Req	CISC 310 Introduction to Computer Information Science	3		
Req	CISP 300 Algorithm Design/Problem Solving	3		L2
Req	CISW 300 Web Publishing	3		
RE	ENGL C1000 College Composition	3		L1A
GE	any Area L7B (Life Development Skills) course	2		L7B

### Semester 2 (Spring)

15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	BUS 300 Introduction to Business	3		
Req	CISA 315 Introduction to Electronic Spreadsheets	2		
Req	CISA 322 Design and Development of Desktop Database Applications	3	CISA 320	
Req	CISP 370 Beginning Visual Basic	4		
GE	any Area L7A (Physical Education) course	1		L7A
Elec	any elective course	2		

## CAREER PATH

### Career Options:

This degree prepares students for entry-level IT positions in database management.

### Advising Notes:

- This degree can be completed using either the [local AA/AS](#) general education (GE) pattern or the [Cal-GETC](#) transfer GE pattern. [See a counselor](#) to determine which pattern is best for you based on your academic goals.
- Elective Courses:** any elective courses numbered 100-499, or having a 4-digit number starting with C.

### Scheduling Notes:

- CISW 300 and 410 are offered in the fall.
- CISA 322 is offered in the spring.

### Other Notes:

- At the end of the third semester, students qualify for the **CIS: Database Management certificate**.
- This degree can be started in the spring as well. [See a counselor](#) or to adjust the course work.

## Second Year

### Semester 3 (Fall)

14 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	CISC 320 Operating Systems	1		
Req	CISP 350 Database Programming	3		
Req	CISW 410 Database-Driven Web Applications	4	(see below)	
GE	any Area L3 (Arts & Humanities) course	3		L3
GE	any Area L6 (Ethnic Studies) course	3		L6

CISW 410 prerequisite: CISW 300, and CISP 300, 370 or 480

### Semester 4 (Spring)

16 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
RE	ACCT 301 Financial Accounting	4		
RE	BUS 110 Business Economics	3		
GE	any Area L1B (Oral Communication & Critical Thinking) course	3		L1B
GE	any Area L4 (Social & Behavioral Sciences) course	3		L4
GE	any Area L5 (Natural Sciences) course	3		L5

<sup>H</sup> honors courses

#### EXPLANATION OF CATEGORIES

Req	Required Core	A course that is required for this program
RE	Restricted Elective	A course selected from a list of elective courses specified for this program in the course list in the catalog, which can be replaced with another course from the same list
GE	General Education	A course that fulfills a specific general education requirement for a degree, which can be replaced with another course that meets the same requirement
Elec	Degree Elective	A degree-applicable course that is part of a degree roadmap to ensure that there is a total of at least 60 units, which is a requirement for an associate degree

