



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: 2024-25

Total Units: 24

Start Term: Fall

First Year

Semester 1 (Fall) 7 Units

CAT.	COURSE	TITLE	UNIT
Req	CISA 320	Introduction to Database Management	1
Req	CISP 300	Algorithm Design/Problem Solving	3
Req	CISW 300	Web Publishing	3

Semester 2 (Spring) 9 Units

CAT.	COURSE	TITLE	UNIT
Req	CISA 315	Introduction to Electronic Spreadsheets	2
Req	CISA 322	Design and Development of Desktop Database Applications	3
Req	CISP 370	Beginning Visual Basic	4

Second Year

Semester 3 (Fall) 8 Units

CAT.	COURSE	TITLE	UNIT
Req	CISC 320	Operating Systems	1
Req	CISP 350	Database Programming	3
Req	CISW 410	Database-Driven Web Applications	4

EXPLANATION OF CATEGORIES

Req	Required Core	A course that is required for this program
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CAREER PATH

Career Options:

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

Scheduling Notes:

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

Other Notes:

- This certificate can be started in the spring as well. [See a counselor](#) to adjust the course work.