



# CIS: Database Management A.S. Degree

FULL TIME

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

GE Pattern: local AA/AS

Total Units: 60

Start Term: Fall

## First Year

### Semester 1 (Fall)

14 Units

CAT.	COURSE	TITLE	UNIT	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	IIb
Req	CISW 300	Web Publishing	3	
RE	ENGWR 300	College Composition	3	IIa WC
GE		any PE activity course	1	IIIa

### Semester 2 (Spring)

16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	BUS 300	Introduction to Business	3	Vb
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	
GE	STAT 300 / 480 <sup>H</sup>	Introduction to Probability and Statistics	4	MC

## Second Year

### Semester 3 (Fall)

14 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	CISC 320	Operating Systems	1	
Req	CISP 350	Database Programming	3	
Req	CISW 410	Database-Driven Web Applications	4	
GE	BUS 330	Managing Diversity in the Workplace	3	VI
GE	MUFHL 300	Introduction to Music	3	I

### Semester 4 (Spring)

16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
RE	ACCT 301	Financial Accounting	4	
RE	BUS 110 <sup>1</sup>	Business Economics	3	
GE	BUS 312	Workplace Behavior and Ethics	3	IIIb

## CAREER PATH

### Career Options:

This degree 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:

- 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](#) to adjust the course work.

CAT.	COURSE	TITLE	UNIT	GE AREA
GE	POLS 301 / 481 <sup>H</sup>	Introduction to Government: United States	3	Va
GE	NATR 303 / ENERGY 303	Energy and Sustainability	3	IV

<sup>1</sup> or ECON 302

<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

Graduation Requirement

A course that fulfills a specific graduation requirement which can be replaced by another course that meets the same graduation requirement.

- MC = Math Competency
- WC = Writing Competency