

Computer Information Systems - Database Management Track - Associate/Bachelor

This is a recommended course rollout for the program of study indicated. Take courses in the order shown. It is the student's responsibility to verify course selections using Degree Navigator to ensure all graduation requirements are met. If this rollout does not represent what you have taken in the past, seek advisement from your Associate Dean.

Associate Degree Plan of Study

Completed	1 st Semester	Credit	Title	Prerequisite
	BUSN 115	3	Introduction to Business & Technology	
	COMP 100	2	Computer Applications for Business w/Lab	
	ENGL 108	3	English Composition	
	CIS 115	3	Logic and Design	
	COLL 148 (Institute Credit)	3	Critical Thinking & Problem Solving	
		14		
	2nd Semester			
	CIS 170B	4	Programming with Lab	CIS115 & COMP100
	CIS 206	4	Architecture and Operating Systems with Lab	COMP100
	MATH 114	4	Algebra for the College Student	
	SPCH 275	3	Public Speaking	ENGL108
		15		
	3rd Semester			
	MATH 221	4	Statistics for Decision Making	MATH114
	CIS 246	4	Connectivity with Lab	CIS206
	CIS 247A	4	Object Oriented Programming with Lab	CIS170B
	ENGL 135	4	Advanced Composition	ENGL108
		16		
	4th Semester			
	CARD 207 (Institute Credit)	2	Career Development	29 earned credit hours
	CIS 236	4	Introduction to Database with Lab	CIS247A
	CIS 281	4	Web Interface Design with Lab	CIS247A
	Humanities Elective 1	3	100/200 level History or Philosophy Course or 100/200 Level Literature or Arts Course	ENGL135
	Social Science Elective 1	3	Choose PSYC110, SOCS185, or SOCS190	
		16		
	5th Semester			
	ACCT 201 (Bachelor Course)	4	Essentials of Accounting	MATH114
	CIS 266	3	Structured Analysis and Design	CIS236
	SEC 280	3	Principles of Information Systems Security	CIS246
	Natural Science Elective	3	Choose any Natural Science Elective	MATH114
	Humanities Elective 2 (Bachelor Course)	3	300/400 level History or Philosophy Course or Literature or Arts Course. (If you selected literature/art at the 200 level, you must select history or philosophy at the 300/400 level.	ENGL135
		16		
		70	Credits needed for Associate Degree Completion (Includes 5 Institutional Credits - COLL148 and CARD207)	

Bachelor Degree Plan of Study

Completed	6 th Semester	Credit	Title	Prerequisite
	CIS 407A	4	Web Applications Development with Lab	CIS236 & CIS281
	CIS 340	3	Object Oriented Analysis and Design	CIS266
	DBM 405	4	Advanced Database with Lab	CIS236 & CIS266
	Communication Skills Elective 2	4	Applied Writing - Choose ENGL216 or ENGL227	ENGL108
	General Education Elective 1	3	Choose any 300 or 400 Humanities or Social Science Course not previously taken	
		18		
	7th Semester			
	CIS 355	4	Business Application Programming with Lab	CIS236 & CIS247A
	ECON 312	3	Principles of Economics	
	MGMT 404	4	Project Management	BUSN115
	DBM 438	4	Database Administration with Lab	DBM405
	Social Science Elective 2	3	Choose any 300 or 400 level PSYC or SOCS course (must differ from SS Elective 1)	
	CARD415 (Institute Credit)	1	Career Development Strategies	Senior Standing*
		19		
	8th Semester			
	CIS 470	3	Computer Information Systems Senior Project	MGMT404 & Senior Standing*
	HUMN 432	3	Technology, Society, & Culture	Senior Standing*
	DBM 449	4	Advanced Topics in Database	DBM438
	SEC 360	4	Data Privacy and Security	CIS236 & SEC280
	General Education Elective 2	3	Choose any 300 or 400 Humanities or Social Science Course not previously taken	
		17		
	ACCT 201 (Bachelor Course)	4	From Associate side	
	Humanities Elective 2	3	From Associate side	
		131	Bachelors Degree Completion (Includes 6 Institutional Credits - COLL148, CARD207, and CARD415)	
	AASCIS		70 Credits needed for degree completion.	
	BSCIS		131 Credits needed for degree completion.	
	*Senior Standing = completion of 89 credit hours.			