DATABASE SYSTEMS AND PROGRAMMING (BS)
2014-2015 RECOMMENDED PROGRAM SEQUENCE (Full-time)
120 CREDITS

DATA PROG BS

FRESHMAN YEAR					
Fall Semester		**(15 credits)**	**Winter Semester**		**(16 credits)**
ACES100	Achieving Career and Education Success	3	CISP247	Database Design	3
CISP111	Requirements Planning and Development	3	COMM120	Presentation Techniques	3
ENGL109	Composition	3	ENGL110	Advanced Composition	3
MATH125	Intermediate Algebra	3	MATH150	Pre-Calculus	4
	Open Elective	3		Open Elective	3

SOPHOMORE YEAR					
Fall Semester		**(16 credits)**	**Winter Semester**		**(15 credits)**
CISP250	Discrete Structures	3	ACCT200	Accounting Basics for Managers	3
CSCI231	Introduction to Programming	3	CSCI232 **or** CSCI234 **or** CSCI239	Object-Oriented Programming with C++ **or** Object-Oriented Programming with C# **or** Object-Oriented Programming with Java	3
MATH215	Calculus I	4	GPMT287	Principles of Project Management	3
MGMT211	Management Foundations	3	STAT220	Introduction to Statistics	3
SOSC201	Diversity in Society	3		Open Elective	3

JUNIOR YEAR					
Fall Semester		**(15 credits)**	**Winter Semester**		**(15 credits)**
CISP275	Database Administration	3	CISP238	Server Side Scripting I	3
CISP309	Database Systems	3	CISP253	Perl/Python Scripting	3
ENGL311	Professional Writing	3	CSCI280	Artificial Intelligence	3
SOSC301	Globalization and World Diversity	3	CSCI312	Data Structures and Algorithms	3
STAT322	Inferential Statistics	3		Open Elective	3

SENIOR YEAR					
Fall Semester		**(15 credits)**	**Winter Semester**		**(13 credits)**
BUSN210	Professional Ethics	3	CISP401	Systems Analysis and Design	3
CISP325	Data Mining	3	CISP446	Data Warehousing	3
CISP328	Advanced Database Programming	3	CSCI420	Distributed Architectures	3
TECH489	Field Experience in Technology	3	TECH497	College of Technology Capstone	3
	Open Elective	3		Open Elective	1