2017 - 2018
Computer Science –
Concentration in Database Technology

Bachelor of Science Degree

Fall Year 1	Courses	Credit Hours	
CS 1010	Principles of Computer Science	3	
CS 1110	Introduction to Programming	3	
ENG 1010	College Composition I	3	
MTH 1110	College Algebra I	3	**15**
Select 1 of the following courses:			
PSY 1010	Human Relations	3	
PSY 1110	General Psychology	3	

Spring Year 1	Courses	Credit Hours	
CIS 1050	Electronic Spreadsheets	1	
CIS 2210	Database Management and Design	3	
CS 2150	C++ Programming	3	**15**
ENG 1020	College Composition II	3	
MTH 1310	Pre-Calculus	5	

Fall Year 2	Courses	Credit Hours	
CS 2010	Net-centric Computing	3	
CS 2310	Microprocessor Electronics	3	
CS 2410	Java Programming	3	**15**
CS 3110	C# Programming	3	
MTH 1410	Introduction to Discrete Mathematics	3	

Spring Year 2	Courses	Credit Hours	
CS 2420	Advanced Java Programming	3	
CS 3210	Data Structures and Algorithms I	3	
CS 3410	Programming for Mobile Devices	3	**16**
MTH 1510	Calculus I	4	
WRKIT 2010	Work Experience I	3	

Fall Year 3		Courses	Credit Hours	
CIS 2510	Systems Development Methods		3	
CIS 2610	Visual BASIC		3	
CIS 4210	Database Administration I		3	
CS 3220	Data Structures and Algorithms II		3	16
MTH 2510	Calculus II		4	

Spring Year 3		Courses	Credit Hours	
CIS 4220	Database Administration II		3	
CS 4210	Database Programming I		3	
CS 4510	Unit Testing And Interfaces		3	
HUM 4010	Philosophy Of Ethics		3	15
MTH 2750	Statistical Methods		3	

Fall Year 4		Courses	Credit Hours	
CIS 3610	Report Builder		3	
CS 4220	Database Programming II		3	
MTH 3550	Differential Equations and Linear Algebra		4	
SCI	Science Elective		3	16
SOC 3210	Cultural Diversity		3	

Spring Year 4		Courses	Credit Hours	
CS 4650	Advanced Database Topics		3	
CS 4810	Trends in Computer Science		3	
SPK 2010	Oral Communications		3	12
WKRIT 4010	Work Experience II		3	

Program Total				120