



2017 - 2018
Computer Science –
Concentration in Computer Programming

Bachelor of Science Degree

Fall Year 1		Courses	Credit Hours	
CS 1010	Principles of Computer Science		3	15
CS 1110	Introduction to Programming		3	
ENG 1010	College Composition I		3	
MTH 1110	College Algebra I		3	
Select 1 of the following courses:				
PSY 1010	Human Relations		3	
PSY 1110	General Psychology		3	
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Spring Year 1		Courses	Credit Hours	
CIS 1050	Electronic Spreadsheets		1	15
CIS 2210	Database Management and Design		3	
CS 2150	C++ Programming		3	
ENG 1020	College Composition II		3	
MTH 1310	Pre-Calculus		5	
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Fall Year 2		Courses	Credit Hours	
CS 2010	Net-centric Computing		3	15
CS 2310	Microprocessor Electronics		3	
CS 2410	Java Programming		3	
CS 3110	C# Programming		3	
MTH 1410	Introduction to Discrete Mathematics		3	
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Spring Year 2		Courses	Credit Hours	
CS 2420	Advanced Java Programming		3	16
CS 3210	Data Structures and Algorithms I		3	
CS 3410	Programming for Mobile Devices		3	
MTH 1510	Calculus I		4	
WRKIT 2010	Work Experience I		3	
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Fall Year 3		Courses	Credit Hours	
CIS 1150	iSeries CL and File Design	3	16	
CIS 2510	Systems Development Methods	3		
CIS 2610	Visual BASIC	3		
CS 3220	Data Structures and Algorithms II	3		
MTH 2510	Calculus II	4		
Spring Year 3		Courses	Credit Hours	
CIS 3010	Computer Architecture	3	15	
CS 3650	Python Programming	3		
CS 4510	Unit Testing and Interfaces	3		
HUM 4010	Philosophy of Ethics	3		
MTH 2750	Statistical Methods	3		
Fall Year 4		Courses	Credit Hours	
CIS 4010	Advanced Computer Architecture	3	16	
CS 3610	Report Builder – Cognos	3		
MTH 3550	Differential Equations and Linear Algebra	4		
SCI	Science Elective	3		
SOC 3210	Cultural Diversity	3		
Spring Year 4		Courses	Credit Hours	
CIS 4810	System Development Project	3	12	
CS 4810	Trends in Computer Science	3		
SPK 2010	Oral Communications	3		
WKTRIT 4010	Work Experience II	3		
Program Total			120	