



**COMPUTER INFORMATION SYSTEMS (BS)
PROGRAMMING SPECIALTY**
2014-2015 RECOMMENDED PROGRAM SEQUENCE (Full-time)
120 CREDITS

CINFO SYS BS

FRESHMAN YEAR					
Fall Semester			Winter Semester		
		(15 credits)			(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			Winter Semester		
		(16 credits)			(15 credits)
CISP250	Discrete Structures	3	ACCT200	Accounting Basics for Managers	3
CSCI231	Introduction to Programming	3	BUSN210	Professional Ethics	
			CSCI232 or	Object-Oriented Programming with C++ or	
MATH215	Calculus I	4	CSCI234 or	Object-Oriented Programming with C# or	3
			CSCI239	Object-Oriented Programming with Java	
MGMT211	Management Foundations	3	GPMT287	Principles of Project Management	3
SOSC201	Diversity in Society	3	STAT220	Introduction to Statistics	3

JUNIOR YEAR					
Fall Semester			Winter Semester		
		(15 credits)			(15 credits)
CISP238	Server Side Scripting I	3	CISP211	E-Business Foundations	3
CISP309	Database Systems	3	CISP220	Web Page Applications	
Choose one of the following that has not been completed:			Choose one of the following that has not been completed:		
CSCI232 or	Object-Oriented Programming with C++ or		CSCI232 or	Object-Oriented Programming with C++ or	
CSCI234 or	Object-Oriented Programming with C# or	3	CSCI234 or	Object-Oriented Programming with C# or	3
CSCI239	Object-Oriented Programming with Java		CSCI239	Object-Oriented Programming with Java	
ENGL311	Professional Writing	3	CSCI312	Data Structures and Algorithms	3
SOSC301	Globalization and World Diversity	3		Open Elective	3

SENIOR YEAR					
Fall Semester			Winter Semester		
		(15 credits)			(13 credits)
CISP340	Mobile Application Development I	3	CISP401	Systems Analysis and Design	3
CISP405	B2B Processes	3	CISP410	Systems Integration	3
CSCI342	Advanced Object-Oriented Programming	3	CSCI430	Operating Systems	3
CSCI420	Distributed Architectures	3	TECH497	College of Technology Capstone	3
TECH489	Field Experience in Technology	3		Open Elective	1



COMPUTER INFORMATION SYSTEMS (BS)
WEB AND MOBILE DEVELOPMENT SPECIALTY
 2014-2015 RECOMMENDED PROGRAM SEQUENCE (Full-time)
 120 CREDITS

CINFO SYS BS

FRESHMAN YEAR					
<u>Fall Semester</u>			<u>Winter Semester</u>		
(15 credits)			(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					
<u>Fall Semester</u>			<u>Winter Semester</u>		
(16 credits)			(15 credits)		
CISP250	Discrete Structures	3	ACCT200	Accounting Basics for Managers	3
CSCI231	Introduction to Programming	3	BUSN210	Professional Ethics	3
MATH215	Calculus I	4	CSCI232 or CSCI234 or CSCI239	Object-Oriented Programming with C++ or Object-Oriented Programming with C# or Object-Oriented Programming with Java	3
MGMT211	Management Foundations	3	GPMT287	Principles of Project Management	3
SOSC201	Diversity in Society	3	STAT220	Introduction to Statistics	3
JUNIOR YEAR					
<u>Fall Semester</u>			<u>Winter Semester</u>		
(15 credits)			(15 credits)		
CISP220	Web Page Applications	3	BITS301	Image Editing Applications	3
CISP238	Server Side Scripting I	3	CISP310	Server Side Scripting II	3
CISP309	Database Systems	3	CISP211	E-Business Foundations	3
ENGL311	Professional Writing	3	CSCI312	Data Structures and Algorithms	3
SOSC301	Globalization and World Diversity	3		Open Elective	3
SENIOR YEAR					
<u>Fall Semester</u>			<u>Winter Semester</u>		
(15 credits)			(13 credits)		
BITS303	Web Authoring	3	CISP316	Web Design	3
CISP340	Mobile Application Development I	3	CISP341	Mobile Application Development II	3
CSCI342	Advanced Object-Oriented Programming	3	CISP405	B2B Processes	3
TECH489	Field Experience in Technology	3	TECH497	College of Technology Capstone	3
	Open Elective	3		Open Elective	1