



**COMPUTER INFORMATION SYSTEMS (BS):
PROGRAMMING SPECIALTY**

**2018-2019 RECOMMENDED PROGRAM SEQUENCE (Full-time)
120 CREDITS**

CINFO SYS BS (CTPR)

FRESHMAN YEAR					
<u>Fall Semester</u>		(15 credits)	<u>Winter Semester</u>		(15 - 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	CSCI231	Introduction to Programming	3
	Open Electives	6	ENGL110	Advanced Composition	3
			MATH215 or MATH140	Calculus I or Finite Math	3 or 4
SOPHOMORE YEAR					
<u>Fall Semester</u>		(15 - 16 credits)	<u>Winter Semester</u>		(15 credits)
ACCT200 or ACCT201	Accounting Basics for Managers or Accounting Foundations I	3 or 4	BUSN210	Professional Ethics	3
GPMT287	Principles of Project Management	3	CISP220	Web Page Applications	3
MGMT211	Management Foundations	3	CISP309	Database Systems	3
SOSC201	Diversity in Society	3	CSCI232 or CSCI234 or CSCI239	Object-Oriented Programming with C++ or Object-Oriented Programming with C# or Object-Oriented Programming with Java	3
	Open Elective	3	STAT220	Introduction to Statistics	3
JUNIOR YEAR					
<u>Fall Semester</u>		(15 credits)	<u>Winter Semester</u>		(15 credits)
CISP238	Server Side Scripting I	3	CISP211	E-Business	3
CSCI312	Data Structures and Algorithms	3	SOCS301	Globalization and World Diversity	3
DATA275	Data Analytics & Methods	3	ENGL311	Professional Writing	3
MATH250	Discrete Structures	3		Open Elective	3
Choose one of the following that has not been completed:			Choose one of the following that has not been completed:		
CSCI232 or CSCI234 or CSCI239	Object-Oriented Programming with C++ or Object-Oriented Programming with C# or Object-Oriented Programming with Java	3	CSCI232 or CSCI234 or CSCI239	Object-Oriented Programming with C++ or Object-Oriented Programming with C# or Object-Oriented Programming with Java	3
SENIOR YEAR					
<u>Fall Semester</u>		(15 credits)	<u>Winter Semester</u>		(13-15 credits)
CISP340	Mobile Application Development I	3	CISP410	Systems Integration	3
CISP401	Systems Analysis and Design	3	CSCI430	Operating Systems	3
CSCI342	Advanced Object-Oriented Programming	3	TECH497	College of Technology Capstone	3
CSCI420	Distributed Architectures	3		Open Elective	4-6
CISP490 or TECH489	Computer Information Systems Internship or Field Experience in Technology	3			

This information is subject to change and cannot be considered an agreement or contract between individual students and Davenport University. Refer to the current University catalog to confirm degree requirements.