



**COMPUTER INFORMATION SYSTEMS (BS)
SECURE SOFTWARE DEVELOPMENT SPECIALTY
2023-2024 RECOMMENDED PROGRAM SEQUENCE (Full-time)
120 CREDITS**

CINFO SYS BS (SSDS)

FRESHMAN YEAR					
<u>Fall Semester</u>		(15 credits)	<u>Winter Semester</u>		(16 credits)
ACES100	Achieving Career and Education Success	3	CISP247	Database Design	3
CISP111	Requirements Planning and Development	3	COMM120	Presentation Techniques	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
ENGL109	Composition	3	ENGL110	Advanced Composition	3
MATH120	College Mathematics	3	MATH150	Pre-calculus	4
SOPHOMORE YEAR					
<u>Fall Semester</u>		(15 credits)	<u>Winter Semester</u>		(15-16 credits)
BUSN210	Professional Ethics	3	CISP220	WebPage Applications	3
CSCI312	Data Structures and Algorithms	3	CISP309	Database Systems	3
GPMT287	Principles of Project Management	3	DATA275	Data Analytics and Methods	3
MGMT211	Management Foundations	3	MATH215 or MATH140	Calculus I or Finite Mathematics	3 or 4
STAT220	Introduction to Statistics	3	SOSC201	Diversity in Society	3
JUNIOR 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	CISP211	E-Business Technologies	3
CISP238	Server Side Scripting I	3	ENGL311	Professional Writing	3
CISP340	Mobile Application Development I	3	IAAS221	Security Foundations	3
CSCI260	Software Engineering	3	SOSC301	Globalization & World Diversity	3
MATH250	Discrete Structures	3		Open Electives	3
SENIOR YEAR					
<u>Fall Semester</u>		(15 credits)	<u>Winter Semester</u>		(13-15 credits)
CISP401	Systems Analysis and Design	3	CSCI460	Software Evaluation & Testing (*)	3
CSCI342	Advanced Object-Oriented Programming	3	IAAS482	Vulnerability Assessment	3
TECH489 or CISP490	Field Experience in Technology or Computer Information Systems Internship	3	TECH497	College of Technology Capstone	3
	Open Elective	6	CSCI360	Secure Software Analysis & Design (*)	3
				Open Elective	1-3

(*) they are only offered in even years. They can be taken in Junior year, suggested classes to switch: open elective and SOSC301

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.