DAVENPORT UNIVERSITY

COMPUTER INFORMATION SYSTEMS (BS):

PROGRAMMING SPECIALTY

2021-2022 RECOMMENDED PROGRAM SEQUENCE (Full-time)

120 CREDITS

CINFO SYS BS (CTPR)

FRESHMAN YEAR

Fall Semester		(15 credits)	Winter Semester		(15-16 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 or MATH125	College Mathematics **or** Intermediate Algebra	3	MATH150	Pre-calculus	4

SOPHOMORE YEAR

Fall Semester		(15 credits)	Winter Semester		(15-16 credits)
CSCI312	Data Structures and Algorithms	3	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	MATH215 or MATH140	Calculus I or Finite Math	3 or 4
	Open Elective	3	STAT220	Introduction to Statistics	3

JUNIOR YEAR

Fall Semester		(15 - 16 credits)	Winter Semester		(15 credits)
ACCT200 or ACCT201	Accounting Basics for Managers or Accounting Foundations I	3 or 4	CISP211	E-Business	3
CISP238	Server Side Scripting I	3	ENGL311	Professional Writing	3
DATA275	Data Analytics & Methods	3	SOSC301	Globalization and World Diversity	3
MATH250	Discrete Structures	3		Open Electives	3
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	**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

SENIOR YEAR

Fall Semester		(15 credits)	Winter Semester		(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	Parallel and Distributed Systems	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.