DAVENPORT UNIVERSITY

COMPUTER SCIENCE (BS)
GAMING AND SIMULATION SPECIALTY
2021-2022 RECOMMENDED PROGRAM SEQUENCE (Full-time)
120 CREDITS

COMP SCIE BS (GMSS)

FRESHMAN YEAR

Fall Semester		(15 credits)	Winter Semester		(16 credits)
ACES100	Achieving Career and Education Success	3	CISP247	Database Design	3
CISP111	Requirements Planning and Development	3	CSCI234	Object-Oriented Programming with C#	3
CSCI231	Introduction to Programming	3	ENGL110	Advanced Composition	3
ENGL109	Composition	3	IAAS221	Security Foundations	3
MATH120 or MATH125	College Mathematics or Intermediate Algebra	3	MATH150	Pre-Calculus	4

SOPHOMORE YEAR

Fall Semester		(16 credits)	Winter Semester		(15 credits)
CSCI260	Software Engineering	3	CSCI222	Biometrics Fundamentals	3
CSCI312	Data Structures and Algorithms	3	CSCI258	Introduction to Game Design	3
MATH215	Calculus I	4	CSCI280	Artificial Intelligence	3
MATH250	Discrete Structure	3	COMM120	Presentation Techniques	3
NETW220	Data Communications and Networks	3	SOSC201	Diversity in Society	3

JUNIOR YEAR

Fall Semester		(16 credits)	Winter Semester		(16 credits)
BUSN210	Professional Ethics	3	CSCI268	Assembly Language and Comp. Architecture	3
CSCI335	2D Game Development	3	CSCI370	3D Game Development	3
CSCI420	Parallel and Distributed Systems	3	MATH350	Differential Equations with Modeling	4
ENGL311	Professional Writing	3	PHYS100	Applied Physics	2
MATH205	Linear Algebra	4	PHYS100L	Applied Physics Lab	1
			SOSC301	Globalization and World Diversity	3

SENIOR YEAR

Fall Semester		(13 credits)	Winter Semester		(13 credits)
CSCI380	Computer Vision	3	CSCI430	Operating Systems	3
CSCI448	Collaborative Game Development	3	CSCI436	Concepts of Programming Languages	3
CSCI490 or TECH489	Computer Science Internship or Field Experience in Technology	3	CSCI440	Introduction to Modeling Simulation	3
PHYS210	Fundamentals of Physics I	3	CSCI497	Computer Science Capstone	3
PHYS210L	Fundamentals of Physics I Lab	1		Open Elective	1

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.

Last Updated: **Finalized:** 12.17.20 GZ