



COMPUTER SCIENCE (BS)
GAMING AND SIMULATION SPECIALTY
2025-2026 RECOMMENDED PROGRAM SEQUENCE (Full-time)
120 CREDITS

COMP SCIE BS (GMSS)

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	CSCI234	Object-Oriented Programming with C#	3
CSCI231	Introduction to Programming	3	ENGL110	Advanced Composition	3
ENGL109	Composition	3	IAAS221	Security Foundations	3
MATH120	College Mathematics	3	MATH150	Pre-Calculus	4
SOPHOMORE YEAR					
<u>Fall Semester</u>			<u>Winter Semester</u>		
(16 credits)			(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 Structures	3	NETW220	Data Communications and Networks	3
COMM120	Presentation Techniques	3	SOSC201	Diversity in Society	3
JUNIOR YEAR					
<u>Fall Semester</u>			<u>Winter Semester</u>		
(15 credits)			(17 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
SOSC301	Globalization and World Diversity	3	PHYS100L	Applied Physics Lab	1
			MATH205	Linear Algebra	4
SENIOR YEAR					
<u>Fall Semester</u>			<u>Winter Semester</u>		
(13 credits)			(13 credits)		
CSCI380	Computer Vision	3	CSCI430	Operating Systems	3
CSCI448	Collaborative Game Development	3	CSCI436	Concepts of Programming Languages	3
TECH489 or TECH490	Field Experience in Technology or Technology Internship	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: LGD 12/19/2024

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