



KENNESAW STATE UNIVERSITY

Undergraduate Program Name: B.S. Computer Game Design and Development (Computer Science Track students)

Graduate Program Name: M.S. Computer Science

This pathway is intended for Computer Game Design and Development students pursuing the **Computer Science track** and then following on in the M.S. in Computer Science after the undergrad program.

Double Owl Scholars will NOT take the following Undergrad CGDD courses:	In their place, they will take the paired course below from CS:
Pre-Req: CS Track Course I	CS 3503
CSE 3153	CS 6070
Double Owl Scholars will NOT take the following Undergrad CGDD courses:	In their place, they will take the paired course below from the Master's in CS:
CS Track Course II	CS 6041
CS Track Course III	CS 6045

Year 1 - Fall (credits)	Credits	Year 1 - Spring (credits)	Credits
ENGL 1101	3	ENGL 1102	3
ECON 1000	2	MATH 1190	4
MATH 1113	3	CSE 1322/L	4
CSE 1321/L	4	CGDD 2012/L	4
Area B2 Gen Ed Course	3		
TOTAL SEMESTER CREDITS	15	TOTAL SEMESTER CREDITS	15
Year 2 - Fall (credits)	Credits	Year 2 - Spring (credits)	Credits
ENGL 2xxxx Course	3	Area C2 Gen Ed Course	3
Science Gen Ed 1 (Area D2)	4	Science Gen Ed 2 (Area D2)	4
POLS 1101	3	Area E4 Gen Ed Course	4
HIST 2111 or 2112	3	HIST 1100, 1111, or 1112	3
CSE 2300 or MATH 2345	3	MATH 2332	3
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	17
Year 3 - Fall (credits)	Credits	Year 3 - Spring (credits)	Credits
CSE 3801	2	CS 3642	3
CS 3305	3	CS 4722	3
SWE 3313	3	SWE 3643	3
CGDD 3103	3	CGDD 4203	3
CGDD 4003	3	CS Track Course I w/ CS 3503	3
TOTAL SEMESTER CREDITS	14	TOTAL SEMESTER CREDITS	15
Year 4 - Fall (credits)	Credits	Year 4 - Spring (credits)	Credits
SWE 4324	3	CGDD 4814	4
CS 4306	3	CS Track Course II w/ CS 6041	3
CGDD 4303	3	CS Track Course III w/ CS 6045	3

CGDD 4803	3	Major Elective	3
Replace CSE 3153 w/ CS 6070	3		
TOTAL SEMESTER CREDITS	15	TOTAL SEMESTER CREDITS	13
Year 5 - Fall (credits)	Credits	Year 5 - Spring (credits)	Credits
MS CS Elective I CS 7267 Machine Learning (AI) CS 7050 Data Warehousing and Mining (DS) CS 7530 Advanced Cryptography (CNS)	3	MS CS Elective III CS 7347 Natural Language Processing (AI) CS 7253 Graph Algorithms (DS) CS 7545 AI for Security and Privacy (CNS)	3
MS CS Elective II CS 7375 Artificial Intelligence (AI) CS 7265 Big Data Analytics (DS) CS 7535 Software and OS security (CNS)	3	MS CS Elective IV CS 7367 Machine Vision (AI) CS 7172 Parallel and Distributed Computing (DS) CS 7540 Network Security (CNS)	3
CS 7998:Research in Computer Science	3	CS 7999:Thesis	3
CS 7999:Thesis	3		
TOTAL SEMESTER CREDITS	12	TOTAL SEMESTER CREDITS	9