



Undergraduate Program Name: Bachelor of Science in Software Engineering

Graduate Program Name: Master of Science in Computer Science

KENNESAW STATE UNIVERSITY

Course Pairs: Pick **ONE (1)** course from this table.

Double Owl Scholars will NOT take <u>one</u> of the following Undergrad required courses:	In their place, they will take the paired course below from the Master's in SWE:
CS 3502	CS 6025
CSE 3153	CS 6070

Course Pairs: Take **BOTH** required courses in this table.

Double Owl Scholars will replace the following Undergrad course:	In their place, they will take the paired course below from the Master's in SWE:
Upper Division Elective I	CS 6045
Upper Division Elective II	CS 6041

Year 1 - Fall (credits)	Credits	Year 1 - Spring (credits)	Credits
ENGL 1101	3	ENGL 1102	3
ECON 1000	2	CHEM 1211/L OR PHYS 2211/L OR BIOL 1107/L	4
MATH 1119	4	CSE 1322/L	4
CSE 1321/L	4	MATH 2202	4
ART/DANC/MUSI/TPS 1107	3		
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	15
Year 2 - Fall (credits)	Credits	Year 2 - Spring (credits)	Credits
SWE 3313	3	CS 3503	3
ONE FROM B2	3	CS 3305	3
CSE 2300 OR MATH 2345	3	MATH 2332	3
CHEM 1212/L OR PHYS 2212/L OR BIOL 1108/L	4	HIST 2111/2	3
POLS 1101	3	ENGL 2000-LEVEL	3
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	15
Year 3 - Fall (credits)	Credits	Year 3 - Spring (credits)	Credits
SWE 3623	3	SWE 3643	3
SWE 4324	3	Replace CS 3502 with CS 6025*	3
Replace CSE 3153 with CS 6070*	3	SWE 3633	3
MATH/ SCIENCE/L 1	4	CSE 3801	2
		MATH/SCIENCE/L 2	4
TOTAL SEMESTER CREDITS	12	TOTAL SEMESTER CREDITS	15
Year 4 - Fall (credits)	Credits	Year 4 - Spring (credits)	Credits
Replace SWE Elective I with CS 6045	3	SWE 4724	4
SWE 4713	3	Replace SWE Elective II with CS 6041	3
SWE 4663	3	HIST 1100/1111/1112	3
One from E4	3	Free electives	5
TCOM 2010	3		

TOTAL SEMESTER CREDITS	15	TOTAL SEMESTER CREDITS	15
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

* Students will pick one of two options.

PROGRAM TOTAL: BS SWE 120 + MS CS 30 – 9 hours from Double Owl = 141