KENNESAW STATE UNIVERSITY

Double Owl Pathway of Study

Undergraduate Program Name: BSCS
Graduate Program Name: MSSWE

Pathway Description: Students in the BSCS program can follow this pathway to enroll in the MSSWE program.

(Table 1) REQUIRED Course Pairs:

Double Owl CS Scholars will NOT take three of the following courses:	In their place, Double Owl CS Scholars will take three of the following CS courses:
SWE 3313	SWE 6623
CS concentration elective	Any SWE 6000-level course

(Table 2) Choose 1 from the following list

Double Owl CS Scholars will NOT take one on of the following CS courses:	In their place, Double Owl CS Scholars will take the CS graduate course (which will count as elective in the MS SWE):
CS 3502	CS 6025
CS 4267	CS 7267
CS 4732	CS 7367
CS 4412	CS 7050
CS 4265	CS 7265
CS 4612	CS 7535
CS 4626	CS 7540
SWE 3633	SWE 6653
SWE 3643	SWE 6673
SWE 3683	SWE 6823
SWE 4633	SWE 6813

Possible Pathway of Study

Year 1 - Fall (credits)	Credits	Year 1 - Spring (credits)	Credits
ENGL 1101: Composition I (A-1)	3	ENGL 1102: Composition II (A-1)	3
MATH 1113: Precalculus (A-2)	3	MATH 1190: Calculus I (D-1)	4
CSE 1321: Programming Problem Solving I	3	CSE 1322: Programming Problem Solving II	3
CSE 1321L: Programming Problem Solving I Lab	1	CSE 1322L: Programming Problem Solving II Lab	1
POLS 1101: American Government (E-1)	3	General Education Course (E-2)	3
ECON 1000: Contemporary Economic Issues (B-1)	2	MATH 2345: Discrete Mathematics	3
TOTAL SEMESTER CREDITS	**15**	**TOTAL SEMESTER CREDITS**	**17**
Year 2 - Fall (credits)	**Credits**	**Year 2 - Spring (credits)**	**Credits**
MATH 2202: Calculus II	4	CS 3622: Fundamentals of Data Comm	3
CS 3305: Data Structures	3	CS 3503: Computer Organization & Arch	3
Science course I (D-2)	3	CS 3410: Intro to Database Systems	3
Science course I Lab (D-2)	1	TCOM 2010: Technical Writing	3

General Education Course (E-3)	3	Science course II (D-2)	3
		Science course II Lab (D-2)	1
TOTAL SEMESTER CREDITS	**14**	**TOTAL SEMESTER CREDITS**	**16**

Apply to SWE Graduate Program and Start Graduate Work

Year 3 - Fall (credits)	**Credits**	**Year 3 - Spring (credits)**	**Credits**
SWE 3313: Intro to Software Engineering replace with SWE 6623	3	CS 4308: Concepts of Programming Lang.	3
CS 3502- Operating Systems	3	CSE 3801: Professional Practices & Ethics	2
MATH 2332: Probability & Data Analysis	3	MATH 3260: Linear Algebra I	3
General Education Course (C-1)	3	General Education Course (E-4)	3
Concentration Course 1	3	Concentration course 2	3
TOTAL SEMESTER CREDITS	**15**	**TOTAL SEMESTER CREDITS**	**14**
Year 4 - Fall (credits)	**Credits**		**Credits**
CS 4306- Algorithm Analysis	3	CS 4850: Capstone	3
CS 4504: Distributed Computing	3	General Education Course (C-2)	3
General Education Course (B-2)	3	Concentration Course 4	3
Concentration course 3: Choose a replacement from table 2	3	Concentration course 5: Choose a 6000 SWE course from table 2	3
Free Elective	3	Free Elective	2
TOTAL SEMESTER CREDITS	**15**	**TOTAL SEMESTER CREDITS**	**14**
Year 5 - Fall (credits)	**Credits**	**Year 5 - Spring (credits)**	**Credits**
SWE 6613 (or elective if already taken)	3	SWE 6653 (or elective if already taken)	3
SWE 6633 (or elective if already taken)	3	SWE 6673 (or elective if already taken)	3
Elective (or SWE 7803 if thesis path is chosen)	3	Elective	3
		SWE 7803/SWE 7903	3
TOTAL SEMESTER CREDITS	**9**	**TOTAL SEMESTER CREDITS**	**12**