



## Double Owl Pathway of Study

**Undergraduate Program Name:** BS in Computer Science  
**Graduate Program Name:** MS in Information Technology

**KENNESAW STATE  
UNIVERSITY**

### Double Owl Course Pairings

Double Owl Scholars will NOT take 3 of the following BS in Computer Science courses:	In their place, Double Owl Scholars will take the following MS in Information Technology courses:
Major elective 1	IT 6203: IT Design Studio
Major elective 2	IT 6413: IT Service Delivery
Major elective 3	IT 6823: Information Security Concepts & Administration

### MSIT Capstone Option

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)	3
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	2
<b>TOTAL SEMESTER CREDITS</b>	<b>15</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>15</b>
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
<b>TOTAL SEMESTER CREDITS</b>	<b>14</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>16</b>
<b>Apply to BSCS-MSIT Double Owl Program and Start Graduate Work</b>			
Year 3 - Fall (credits)	Credits	Year 3 - Spring (credits)	Credits
SWE 3313: Intro to Software Engineering	3	CS 4308: Concepts of Programming Lang.	3
CS 4306: Algorithm Analysis	3	CSE 3801: Professional Practices & Ethics	3
MATH 2332: Probability & Data Analysis	3	MATH 3260: Linear Algebra I	3
General Education Course (C-1)	3	General Education Course (E-4)	3

IT 6203: IT Design Studio	3	CS 3502: Operating Systems	3
<b>TOTAL SEMESTER CREDITS</b>	<b>15</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>15</b>
<b>Year 4 - Fall (credits)</b>	<b>Credits</b>		
IT 6413 IT Service Delivery	3	CS 4850: Capstone	3
CS 4504: Distributed Computing	3	General Education Course (C-2)	3
General Education Course (B-2)	3	IT 6823: Information Security Concepts & Administration	3
Major Elective	3	Major Elective	3
Free Elective	3	Free Elective	3
<b>TOTAL SEMESTER CREDITS</b>	<b>15</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>15</b>
<b>Year 5 - Fall (credits)</b>	<b>Credits</b>	<b>Year 5 - Spring (credits)</b>	
IT 6423: IT System Acquisition & Integration	3	IT 6xxx or 7xxx Elective 4	3
IT 6xxx or 7xxx Elective 1	3	IT 6xxx or 7xxx Elective 5	3
IT 6xxx or 7xxx Elective 2	3	IT 7993: IT Capstone	3
IT 6xxx or 7xxx Elective 3	3		
<b>TOTAL SEMESTER CREDITS</b>	<b>12</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>9</b>

**PROGRAM TOTAL: BSCS 120 + MSIT 30 – 9 hours from Double Owl = 141**

### MSIT Thesis Option

<b>Year 1 - Fall (credits)</b>	<b>Credits</b>	<b>Year 1 - Spring (credits)</b>	<b>Credits</b>
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)	3
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	2
<b>TOTAL SEMESTER CREDITS</b>	<b>15</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>15</b>
<b>Year 2 - Fall (credits)</b>	<b>Credits</b>	<b>Year 2 - Spring (credits)</b>	
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
<b>TOTAL SEMESTER CREDITS</b>	<b>14</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>16</b>
<b>Apply to BSCS-MSIT Double Owl Program and Start Graduate Work</b>			

<b>Year 3 - Fall (credits)</b>	<b>Credits</b>	<b>Year 3 - Spring (credits)</b>	
SWE 3313: Intro to Software Engineering	3	CS 4308: Concepts of Programming Lang.	3
CS 4306: Algorithm Analysis	3	CSE 3801: Professional Practices & Ethics	3
MATH 2332: Probability & Data Analysis	3	MATH 3260: Linear Algebra I	3
General Education Course (C-1)	3	General Education Course (E-4)	3
IT 6203: IT Design Studio	3	CS 3502: Operating Systems	3
<b>TOTAL SEMESTER CREDITS</b>	<b>15</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>15</b>
<b>Year 4 - Fall (credits)</b>	<b>Credits</b>		
IT 6413: IT Service Delivery	3	CS 4850: Capstone	3
CS 4504: Distributed Computing	3	General Education Course (C-2)	3
General Education Course (B-2)	3	IT 6823: Information Security Concepts & Administration	3
Major Elective	3	Major Elective	3
Free Elective	3	Free Elective	3
<b>TOTAL SEMESTER CREDITS</b>	<b>15</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>15</b>
<b>Year 5 - Fall (credits)</b>	<b>Credits</b>	<b>Year 5 - Spring (credits)</b>	
IT 6423: IT System Acquisition & Integration	3	IT 6xxx or 7xxx Elective 3	3
IT 6xxx or 7xxx Elective 1	3	IT 6xxx or 7xxx Elective 4	3
IT 6xxx or 7xxx Elective 2	3	IT 79939: Thesis	3
IT 7999: Thesis	3		
<b>TOTAL SEMESTER CREDITS</b>	<b>12</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>9</b>

**PROGRAM TOTAL: BSCS 120 + MSIT 30 – 9 hours from Double Owl = 141**