



Undergraduate Program Name: Bachelor of Science in Electrical Engineering  
 Graduate Program Name: Master of Science in Applied Engineering

KENNESAW STATE UNIVERSITY

Pathway Description: BSEE to MSAE

Double Owl Scholars will NOT take 3 of the following Undergrad courses:	In their place, they will take the paired course below from the MSAE:
EE 3702- Communication Systems (3 credit)	EE 6760 - Applied Communication Systems (3 credits)
Math Elective (3 credits)	ENGR 6120 - Applied Engineering Mathematics (3 credits)
EE technical electives (9 credits)	Any MSAE elective course

Sample pathway of study:

Year 1 - Fall (credits)	Credits	Year 1 - Spring (credits)	Credits
ENGL 1101	3	ENGL 1102	3
MATH 1190 (Calculus I)	4	MATH 2202	4
CHEM 1211/1211L	4	CSE 1321/1321L	4
EE 1000	2	PHYS 2211/2211L	4
COM1100	3	ECON 1000	2
<b>TOTAL SEMESTER CREDITS</b>	<b>16</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>17</b>
Year 2 - Fall (credits)	Credits	Year 2 - Spring (credits)	Credits
MATH 2306	3	MATH 2203	4
PHYS 2212/2212L	4	EE 2302	3
EE 2301	4	EE 2401	3
C2 (ART 1107, DANC 1107, MUSI 1107)	3	EE 2501	4
E3 (HIST 1100, HIST 1111, or HIST 1112)	3	MATH 2332	3
<b>TOTAL SEMESTER CREDITS</b>	<b>17</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>17</b>
Year 3 - Fall (credits)	Credits	Year 3 - Spring (credits)	Credits
ENGR 2214	3	EE 3401	4
EE 3601	4	EE 3501	4
EE 3701	3	EE 3605	3
ENGR 4402	1	EE Technical Elective (potentially replaced by MSAE elective)	3
C1 (ENGL's 2110,2111,2112,2120, 2121,2122, 2130,2131, 2132 or 2300)	3	POLS 1101	3
<b>TOTAL SEMESTER CREDITS</b>	<b>14</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>17</b>
Year 4 - Fall (credits)	Credits	Year 4 - Spring (credits)	Credits
EE 4201	4	EE 4800	4
EE 4701	3	E4 (ANTH 1102, CRJU 1101, GEOG 1101, PSYC 1101, SOCI1101,STS 1101 OR ECON 2100)	3
E2 US History (HIST 2111 or HIST 2112)	3	EE 3702 (potentially replaced by EE 6760)	3

Science Elective (Recommend: ENGR 3325 (previously SYE 3320))	3	EE Technical Elective (potentially replaced by MSAE elective)	3
Math Elective 3xxx or 4xxx (potentially replaced by ENGR 6120)	3	EE Technical Elective (potentially replaced by MSAE elective)	
<b>TOTAL SEMESTER CREDITS</b>	<b>16</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>16</b>
<b>Year 5 - Fall (credits)</b>	<b>Credits</b>	<b>Year 5 - Spring (credits)</b>	<b>Credits</b>
ENGR 6002	3	MSAE Elective	3
ENGR 6120 (or MSAE elective)	3	MSAE Elective	3
MSAE Elective	3		
<b>TOTAL SEMESTER CREDITS</b>	<b>9</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>6</b>
<b>Year 6 - Fall (credits)</b>	<b>Credits</b>	<b>Year 6 - Spring (credits)</b>	<b>Credits</b>
MSAE Elective	3		
Any Graduate Level Course	3		
<b>TOTAL SEMESTER CREDITS</b>	<b>6</b>	<b>TOTAL SEMESTER CREDITS</b>	<b>0</b>

**PROGRAM TOTAL:151  
credits**