



KENNESAW STATE
UNIVERSITY

Undergraduate Program Name: Bachelor of Science in Mechatronics Engineering
 Graduate Program Name: Master of Science in Intelligent Robotic Systems
 Pathway Description: MTRE to MSIRS

Double Owl Scholars will NOT take 1 of the following Undergraduate courses:	In their place, they will take the paired course below from the MSIRS:
MTRE Technical Electives (4 credits)	MTRE 6100, MTRE 6720, MTRE 6740, or MTRE 6750 (3 credits) plus *ENGR 4402 Engineering Ethics or *MTRE 4400 Directed Research (1 credit)
	* Instead of ENGR 4402 or MTRE 4400 a student could take a second graduate course from the list above. This would increase the credit hours for the undergraduate degree by 2 credits, but decrease the credits needed for the graduate degree.

Sample pathway of study:

Year 1 - Fall (credits)	Credits	Year 1 - Spring (credits)	Credits
ENGL 1101	3	ENGL1102	3
EDG 1211	3	MATH 2202	4
MATH 1190	4	PHYS 2211/2211L	4
MTRE 1000	2	CSE 1321/13211	4
CHEM 1211/1211L	4		
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	15
Year 2 - Fall (credits)	Credits	Year 2 - Spring (credits)	Credits
MATH 2306	3	E3 (HIST 1100, HIST 1111, or HIST 1112)	3
PHYS 2213/2212L	4	COM 1100	3
ENGR 2214	3	ENGR 3122	3
EE 2301	4	EE 2501	4
MTRE 2610	3	MATH 3260	3
TOTAL SEMESTER CREDITS	17	TOTAL SEMESTER CREDITS	16
Year 3 - Fall (credits)	Credits	Year 3 - Spring (credits)	Credits
C1 (ENGL's 2110, 2111, 2112, 2120, 2121, 2122, 2130,2131, 2132 or 2300)	3	Math Elective	3
MATH 2203	4	ENGR 3343	3
ENGR 3131/32	4	MTRE 4001/4002L	4
EE 3401	4	MTRE 3710	4
ECON 1000	2	*ENGR 4402 or MTRE 4400	1
TOTAL SEMESTER CREDITS	17	TOTAL SEMESTER CREDITS	15

Year 4 - Fall (credits)	Credits	Year 4 - Spring (credits)	Credits
MTRE 6100, MTRE 6720, MTRE 6740, or MTRE 6750	3	E4 (ANTH 1102, CRJU 1101, GEOG 1101, PSYC 1101, SOCI 1101, STS 1101 OR ECON 2100)	3
E1	3	C2 (ART 1107, DANC 1107, MUSI 1107)	3
MTRE 4100	4	E2 US History (HIST 2111 or HIST 2112)	3
MTRE 4010	3	MTRE 4200	4
ENGR 3325	3	MTRE 4800	4
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	17
Year 5 - Fall (credits)	Credits	Year 5 - Spring (credits)	Credits
MTRE 6200	3	MTRE 6400	3
MTRE 6300	3	CS 7367	3
CS 7267	3	MTRE 6710	3
MTRE 6100 or MTRE 6720 or MTRE 6800 or CS 7375	3	MTRE 6740	3
TOTAL SEMESTER CREDITS	12	TOTAL SEMESTER CREDITS	12
Year 6 – Summer (credits)	Credits		
MTRE 6750	3		
TOTAL SEMESTER CREDITS	3	TOTAL SEMESTER CREDITS	0

PATHWAY TOTAL: 156 Credits