



KENNESAW STATE
UNIVERSITY

Undergraduate Program Name: Industrial Engineering Technology, BS
Graduate Program Name: Intelligent Robotics Systems, MS

Pathway Description: There is synergism between Robotics and Industrial Engineering Technology, especially in the areas of manufacturing and optimization. This pathway will allow BS IET students to focus on a career in Intelligent Robotics Systems

Double Owl Scholars will NOT take the following BS IET courses:	In their place, Double Owl Scholars will take the following MS IRS courses:
IET upper-division electives (up to 9 hours)	Student may choose from: MTRE 6720, MTRE 6740, MTRE 6750.

Year 1 - Fall (15 credits)	Credits	Year 1 - Spring (16 credits)	Credits
ENGL 1101: English Composition I [A1]	3	ENGL 1102: English Composition II [A1]	3
MATH 1113: Pre-Calculus [A2]	3	IET 2449-Logistics & Supply Chain Management	3
AADS 1102, AMST 1102, ASIA 1102, COM 1100, FL 1002, GWST 1102, LALS 1102, LDRS 2300, PAX 1102, PHIL 2200, POLS 241, or RELS 1102 [B2]	3	IET 2000: Introduction to Industrial Engineering Design [F]	3
HIST 1100, HIST 1111, or HIST 1112 [E3]	3	POLS 1101: American Government [E1]	3
ENGR 1000: Introduction to Engineering	1	IET 2227: Introduction to Statistics	3
ECON 1000: Contemporary Economic Issues [B1]	2	IET 1001L: Introduction to IET	1
Total	15	Total	16
Year 2 - Fall (15 credits)	Credits	Year 2 - Spring (16 credits)	Credits
MATH 1190: Calculus I or MATH 1501: Calculus I [D1]	4	PHYS 2211+Lab OR PHYS 1111 + Lab OR CHEM 1211 + Lab OR BIOL 1107 + Lab [D2]	4
EDG 1210: Survey of Engineering Graphics [F]	2	ART 1107, DANC 1107, MUSI 1107, TPS 1107 [C2]	3
TCOM 2010: Technical Writing [F]	3	CRJU 1101, GEOG 1101, PSYC 1101, SOCI 1101, STS 1101*, ANTH 1102, or ECON 2106 [E4]	3
IT 1113: Programming Principles [F]	3	IET 3403: Advanced Statistics w/ Application	3
PHIL 2010, ENGL 2110, ENGL 2111, ENGL 2112, ENGL 2120, ENGL 2121, ENGL 2122, ENGL 2130, ENGL 2131, ENGL 2132, or ENGL 2300 [C1]	3	ACCT 2100 – Introduction to Financial Accounting	3
Total	15	Total	16
Year 3 - Fall (17 credits)	Credits	Year 3 - Spring (17 credits)	Credits
PHYS 2212 + Lab OR PHYS 1112 + Lab OR CHEM 1212 + Lab OR BIOL 1108 + Lab [D2]	4	IET 4422: Facilities Design, Plant Layout & Materials Handling	4
HIST 2111 or HIST 2112 [E2]	3	IET 3339: Statistical Quality Control	3
IET 3322: Work Measurement & Ergonomics	4	Area F Lab Science Requirement	4
IET 3433: Product & Processing Cost	3	IET 3356: Quality Concepts and System Design	3
	3	ET 3424: Engineering Economy	3
Total	14	Total	17

Year 4 – Fall (16 credits)	Credits	Year 4 – Spring (15 credits)	Credits
IET 4135: IET Project Management	3	IET 4151: Operations Management for Engineers	3
IET 4451: System Simulation	3	IET 4405: Operations Research- Concepts, Models, & Methods	3
IET 4115: Human Resources Management for Engineers	3	IET 4475: Senior Project	3
MTRE 6740	3	MTRE 6750	3
		MTRE 6720	3
			3
Total	12	Total	15
Year 5 – SUMMER	Credits		Credits
MRTE 6200	3		
MTRE 6710	3		
TOTAL SEMESTER CREDITS	6		
Year 5 - Fall	Credits	Year 5 - Spring	Credits
MTRE 6100	3	MTRE 6400	3
CS 7267	3	CS 7367	3
MTRE 6300	3		
TOTAL SEMESTER CREDITS	9	TOTAL SEMESTER CREDITS	6

PATHWAY TOTAL: $120 + 30 - 9 = 141$