Bachelor of Science in Industrial & Systems Engineering

Spring 2024-Fall 2024 Tentative Course Offerings Schedule

NOTE: This is a suggested schedule, and subject to change based on student demand.

	X=course planned for offering;	Fall	Spring	Summer
R	ENGR 1000 – Introduction to Engineering *Required for students on 2023 catalog and later;* *this plus ISYE 1001L will substitute for ISYE 1000 if needed*	X	X	
R	ISYE 1000L – Intro to Industrial and Systems Engineering Lab *Required for students on 2023 catalog and later;* *this plus ENGR 1000 will substitute for ISYE 1000 if needed*		X	
R	ENGR 1100 – Survey of Engineering Applications from Math.	X	X	
R	ISYE 2600 – Probability and Statistics I	X	X	
R	ISYE 3150 – Design & Improvement of Quality Processes		X	X
R	ENGR 3250 – Project Management for Engineers	X	X	
R	ENGR 3325 – Engineering Economic Analysis	X	X	X
R	ISYE 3400 – Engineering Optimization: Deterministic	X	X	
R	ISYE 3600 – Probability and Statistics II	X	X	
R	ISYE 4200 – Engineering Optimization: Stochastic	X	X	
R	ISYE 4500 – Systems Modeling & Simulation	X	X	
R	ISYE 4900 – Senior Design Project *Last offering of ISYE 4900 is spring 2024. ISYE 4900 will be replaced by 1-hour ISYE 4901 (first offered summer 2024) and 3-hour ISYE 4902 (first offered fall 2024, prereq.=ISYE 4901)*	Fall '23 only	Spr '24 only	
R	ISYE 4901 – Senior Design Project 1	X		X
R	ISYE 4902 – Senior Design Project 2	X	Starting with '25	
IE	ISYE 3125 – Statistical Quality Control	X	X	
IE	ISYE 3350 – Logistics & Supply Chain Systems		X	
IE	ISYE 3450 – Work Measurement Study	X		
IE	ISYE 4250 – Manufacturing & Service Systems	X		
IE	ISYE 4425 – Facilities Planning & Material Handling		X	
SE	ISYE 3100 – Systems Reliability & Maintainability	X		
SE	ISYE 3300 – System Dynamics & System Thinking	X		
SE	ISYE 3200 – Human Machine Systems		X	
E	ENGR 3407 – Six Sigma & Lean Manufacturing *This will substitute for ISYE 3407*	X	X	X
E	ISYE 3398 – Internship		X	X
E	ISYE 4400 – Directed Study (Research)	X	X	X

R = required course, IE = required for industrial concentration, SE = required for systems concentration, E = elective course, Summer classes are offered by student demand and faculty availability