

Bachelor of Science in Industrial & Systems Engineering

2022-2023 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	ISYE 1000 – Introduction to Industrial and Systems Engineering	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	X	X	
IE	ISYE 3125 – Statistical Quality Control	X	X	
IE	ISYE 3350 – Logistics & Supply Chain Systems		X	
IE	ISYE 3450 – Work Measurement Study	X		X
IE	ISYE 4250 – Manufacturing & Service Systems	X	X	
IE	ISYE 4425 – Facilities Planning & Material Handling		X	X
SE	ISYE 3100 – Systems Reliability & Maintainability	X		
SE	ISYE 3300 – System Dynamics & System Thinking	X		
SE	ISYE 3200 – Human Machine Systems		X	
E	ISYE 3407 – Six Sigma & Lean Manufacturing		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

Revised CRS 5/5/22