

Bachelor of Science in Industrial & Systems Engineering 2019-2020

Tentative Course Offerings Schedule

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

X = offered		Fall Odd	Spring Even	Fall Even	Spring Odd	Summer
R	ISYE 1000 – Systems Analysis & Design	X		X		
R	ENGR 1100 – Survey of Engineering Applications from Mathematics	X		X		
R	ISYE 2600 – Applications of Probability		X		X	
R	ISYE 3150 – Design and Improvement of Quality Processes		X		X	
R	ENGR 3250 – Project Management for Engineers	X	X	X	X	X
R	ENGR 3325 – Engineering Economic Analysis	X	X	X	X	X
R	ISYE 3400 – Deterministic Operations Research		X		X	
R	ISYE 3600 – Statistics with Application	X		X		
R	ISYE 4200 – Stochastic Operations Research	X		X		
R	ISYE 4500 – Systems Modeling & Simulation	X		X		
R	ISYE 4900 – Senior Design Project	X	X	X	X	
IE	ISYE 3125 – Statistical Quality Control		X		X	
IE	ISYE 3350 – Logistics & Supply Chain Systems		X		X	
IE	ISYE 3450 – Human Factors Engineering	X	X	X	X	
IE	ISYE 4250 – Manufacturing & Service Systems	X		X		
IE	ISYE 4425 – Facilities Layout & Material Handling		X		X	
SE	ISYE 3100 – Systems Reliability & Maintainability	X		X		
SE	ISYE 3120 – Contemporary Technological Systems: Design, Analysis & Architecture				X	
SE	ISYE 3200 – Human Machine Systems		X			
E	ISYE 3407 – Six Sigma & Lean Manufacturing		X		X	
E	ISYE 4320 – Advanced Logistics	X		X		
E	ISYE 3801 – Aerodynamics	X	X	X	X	
E	ISYE 3802 – Aircraft Design & Performance		X		X	
E	ISYE 4801 – Aircraft Propulsion	X		X		
E	ISYE 4802 – Helicopter Theory	X		X		
E	ISYE 4803 – Aeronautics Senior Design Project		X		X	

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