

PROJECTED IE COURSE OFFERINGS

Course Details											
COURSE NUMBER	COURSE NAME (Core courses shown in red color)	2017-18		2018-19		2019-20		2020-21		2021-22	
		Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
IE 411 (ME)	Mechatronics I	Orange		Orange		Orange		Orange		Orange	
IE 412 (ME)	Dynamic System Analysis I	Orange		Orange		Orange		Orange		Orange	
IE 441	Ergonomics and Human Factors	Orange		Orange		Orange		Orange		Orange	
IE 442	Design and Analysis of Experiments		Blue		Blue		Blue		Blue		Blue
IE 446	Quality Control and Reliability		Blue		Blue		Blue		Blue		Blue
IE 461	Safety Engineering	Orange		Orange		Orange		Orange		Orange	
IE 463	Plant Layout and Materials Handling		Blue		Blue		Blue		Blue		Blue
IE 466	Production Planning and Inventory Control		Blue		Blue		Blue		Blue		Blue
IE 467	Discrete Event Computer Simulation Application	Orange		Orange		Orange		Orange		Orange	
IE 471	Operations Research I		Blue		Blue		Blue		Blue		Blue
IE 472	Operations Research II		Blue		Blue		Blue		Blue		Blue
IE 473	Stochastic Processes and Queuing Models	Orange		Orange		Orange		Orange		Orange	
IE 511	Mechatronics II		Blue		Blue		Blue		Blue		Blue
IE 567	Data Mining for Machine Health Diagnosis & Prognosis				Blue				Blue		
IE 594	Virtual Healthcare Engineering	Orange				Orange				Orange	
IE 594	Distributed Decision Making										
IE 594	Time Series Analysis and Forecasting			Orange				Orange			
IE 594	3D Printing/Additive Manufacturing		Blue		Blue		Blue		Blue		Blue
IE 594	Data Science I	Orange		Orange		Orange		Orange		Orange	
IE 594	Data Science II										
IE 594	Intro to Applied Optimization (BioE)		Blue		Blue		Blue		Blue		Blue
IE 594	Process Mining in Healthcare Engineering			Orange				Orange			

Notes
 MSIE students with a BSIE degree must take IE446 and IE472; they must also demonstrate coverage of IE342 and IE471, but neither count for the degree