

## Industrial Engineering & Management Sciences

### Academics

## 2025-2026 Course Listings

Course	Course Title	Fall 2025	Winter 2026	Spring 2026
DATA ENG 200	Foundations of Data Science		T TH 9:30-10:50 Hu	T TH 12:30-1:50 Chan
DATA ENG 300	Data Engineering Studio		T TH 12:30-1:50 Chan (Lab: T 5:00, 6:00)	T TH 9:30-10:50 Chan (Lab: T 4:00, 5:00)
201	Introduction to Statistics	T TH 9:30-10:50 Ankenman		MTWF 2:00-2:50 Ankenman or MTWF 11:00-11:50 Wilson
295	Why IE?		T TH 12:30-1:50 Mejía	
301	Introduction to Statistical Learning			TTH 9:30-10:50 Wang, Z
302	Probability	MWF 10:00-10:50 Gaudio (Lab: TH 1:00, 2:00)	MWF 10:00-10:50 Wilson (Lab: TH 11:00, 12:00)	M W F 10:00-10:50 Wilson (Lab: TH 10:00, 11:00)
303	Statistics	TTh 9:30-10:50 Chan (Lab: W 1:00, 2:00)	T TH 3:30-4:50 Chan (Lab: W 9:00, 10:00)	M W F 9:00-9:50 Nelson (Lab: TH 1:00, 2:00)
304	Statistical Learning for Data Analysis	M W F 2:00-2:50 Apley (Lab: TH 9:00, 10:00)	M W F 10:00-10:50 Chen (Lab: F 11:00, 12:00)	M W F 1:00-1:50 Lu (Lab: F 2:00, 3:00)
305	Foundations of Modern Machine Learning			TTH 2:00-3:20 Wang, Z
307	Quality Improvement by Experimental Design			T TH 12:30-1:50 Shi
308	Data Science & Analytics		T TH 9:30-10:50 Klabjan (Lab: M 10:00)	
310	Operations Research	T TH 2:00-3:20 Singla		
313	Foundations of Optimization	M W F 11:00-11:50 Morton (Lab: M 3:00, 4:00)	M W F 11:00-11:50 Morton (Lab: M 2:00, 3:00)	M W F 12:00-12:50 Mehrotra (Lab: M 1:00, 2:00)

Course	Course Title	Fall 2025	Winter 2026	Spring 2026
315	<b>Stochastic Models</b>	M W F 10:00-10:50 Grosf (Lab: F 1:00, 2:00)		M W F 10:00-10:50 Rhee (Lab: W 5:00)
317	<b>Discrete-Event Systems Simulation</b>		M W F 1:00-1:50 Rhee (Lab: F 9:00, 10:00)	
340	<b>Qualitative Methods in Engr Systems</b>	T TH 12:30-1:50 Mejia (Lab: W 5:00)		
341	<b>Social Networks Analysis</b>			T 5:00-7:50 Xu (Lab: 11:00, 12:00)
342	<b>Organizational Behavior</b>		M 4:00-6:50 Mejia	Th 5:00-7:50 Mejia
343	<b>Project Management for Engineers</b>	M 5:00-7:50 Werwath		
344	<b>Whole-Brain Leadership</b>			T TH 11:00-12:20 Poll
345	<b>Negotiations and Conflict Resolution for Engineers</b>		W 5:00-7:50 Rekoske	
351	<b>Optimization Methods in Data Science</b>	M W F 11:00-11:50 Nocedal (Lab: T 10:00, 11:00)		
365	<b>Analytics for Social Good</b>		M W F 2:00-2:50 Sinclair (Lab: TH 4:00, 5:00)	M W F 11:00-11:50 Sinclair
373	<b>Intro to Financial Engineering</b>			M W 3:30-4:50 Balasanov
381	<b>Supply-Chain Modeling and Analysis</b>	TTH 2:00-3:20 Watson (Lab: F 11:00, 12:00)		
382	<b>Operations Engineering and Management</b>		T TH 2:00-3:20 Iravani	
383	<b>Service Engineering and Management</b>			T TH 3:30-4:50 Iravani
385	<b>Introduction to Health Systems Engineering</b>	MW 3:30-4:50 Mehrotra		
394	<b>IE Client Project Challenge</b>	T TH 5:00-6:20 Watson		M W F 5:00-6:50 Watson
395	<b>Research Thinking and Communication</b>			
401	<b>Applied Mathematical Statistics</b>	T TH 9:30-10:50 Chen		
402	<b>Statistical Learning</b>		M W 9:30-10:50 Lu	

Course	Course Title	Fall 2025	Winter 2026	Spring 2026
404-1	Predictive Analytics I	MW 3:30-4:50 Apley		
404-2	Predictive Analytics II		T TH 2:00-3:20 Apley	
407	Uncertainty Quantification			M W 9:30-10:50 Lu
435	Stochastic Simulation			M W 12:30-1:50 Rhee
441	Social Network Analysis	F 2:00-4:50 Contractor		
447	Computational Social Science		M 3:30-6:20 D. Wang	
450-1	Mathematical Optimization I	M W 9:30-10:50 Mehrotra		
450-2	Mathematical Optimization II		T TH 12:30-1:50 Wei	
454	Large-Scale Optimization		M W 12:30-1:50 Morton	
456	Distributed Optimization			
459	Convex Optimization			T TH 12:30-1:50 Nocedal
460-1	Stochastic Processes I		M W 2:00-3:20 Grosf	
460-2	Stochastic Processes II			M 3:45-6:35 Bassamboo
464	Advanced Queueing Theory		M W 11:00-12:20 Grosf	
469	Advanced Algorithms for Machine Learning	T TH 2:00-3:20 Klabjan		
482	Operations		T TH 9:30-10:50 Iravani	
486	Introduction to Smart Grid Systems			T TH 2:00-3:20 Wei
488	Economics of Decision Analysis			M W 2:00-3:20 Sinclair
490	Advanced Topics in Large Foundation Models			T TH 5:00-6:20 Z. Wang
490	Deep Generative AI		M W 3:30-4:50 Chen	
490	AI in Manufacturing: Data Analytics		T TH 3:30-4:50 Shi	
490	Theory and Algorithms for LLMs	T TH 12:30-1:50 Klabjan		