



Master of Science Sample Curriculum

Research Area: Operations Research (Supply Chain)

Degree Pursing: MS IE (non-thesis)

Courses (Minimum Enrollment 12 hours/8 hours if 25% assistantship or greater)

1 st Semester (fall)		2 nd Semester (spring)	
Course	Credits	Course	Credits
IE 410: Stochastic Processes & Applic	4	IE 413: Simulation	4
IE 411: Optimization of Large Systems	4	IE 598 LM: Optimization Methods for Large-Scale, Network-Based Systems	4
IE 412: OR Models for Mfg Systems -or-	4	IE 431: Design for Six Sigma -or- IE 511: Integer Programming	3
IE 598 LX: Advance Produc Plan & Control	4		4
		Elective (optional)	1
Total	12	Total	12

3 rd Semester (fall)	
Course	Credits
IE 598 LX: Advance Produc Plan & Control -or-	4
IE 529: Stats of Big Data & Clustering	4
-or-	
IE 498 JG: Computing for ISE -or-	3
IE 400: Design & Anlys of Experiments	4
IE 598 XC: Pricing and Revenue Management -or-	4
IE 598 SDP: Stochastic Dynamic Programming	4
IE 597: Independent Study	4
Total	11-12

Disclaimer: This sample curricula should be used as a guide for students. See degree requirements for your specific degree and adjust as necessary to meet your program requirements and educational goals.

Offered every semester	Offered every fall	Offered every spring
Offering varies	Offered fall-even years	Offered spring-odd years
Fall-varies	Offered fall-odd years	Spring-varies