

Master of Science Sample Curriculum

Research Area: Operations Research (Analyst)

Degree Pursing: <u>MS IE (non-thesis)</u>

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 -or-	4
		IE 598 LM: Optimization Methods for	4
		Large-Scale, Network-Based Systems	
IE 411: Optimization of Large Systems	4	IE 511: Integer Programming	4
IE 598 LX: Advance Produc Plan &	4	IE 510: Applied Nonlinear	4
Control -or-		Programming -or-	
IE 400: Design & Anlys of Experiments	4	IE 521: Convex Optimization	4
Total	12	Total	12

3 rd Semester (fall)		
Course	Credits	
IE 529: Stats of Big Data & Clustering	4	
-or-		
IE 532: Analysis of Network Data	4	
IE 598 XC: Pricing and Revenue	4	
Management -or-		
IE 598 SDP: Stochastic Dynamic	4	
Programming		
IE 597: Independent Study	4	
Total	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