Industrial and Enterprise Systems Engineering
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Master of Science Sample Curriculum

Research Area: Operations Research (Analyst)

Degree Pursing: MS IE (non-thesis)

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

1st Semester (fall)		2nd Semester (spring)	
Course	Credits	Course	Credits
IE 410: Stochastic Processes & Applic	4	IE 413: Simulation -or-	4
		IE 598 LM: Optimization Methods for Large-Scale, Network-Based Systems	4
IE 411: Optimization of Large Systems	4	IE 511: Integer Programming	4
IE 598 LX: Advance Produc Plan & Control -or-	4	IE 510: Applied Nonlinear Programming -or-	4
IE 400: Design & Anlys of Experiments	4	IE 521: Convex Optimization	4
Total	**12**	**Total**	**12**

3rd 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 Management -or-	4
IE 598 SDP: Stochastic Dynamic Programming	4
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

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