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

Master of Science Sample Curriculum

Research Area: Financial Engineering

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 420: Financial Engineering	4
IE 411: Optimization for Large Systems	4	IE 510: Applied Nonlinear Programming -or- IE 521: Convex Optimization	4 4
IE 523: Financial Computing -or- IE 498 JG: Computing for ISE	4 3	IE 525: Numerical Methods in Finance -or- IE 526: Stochastic Calculus in Finance	4 4
Elective	1		
Total	**12**	**Total**	**12**

3rd Semester (fall)	
Course	Credits
IE 522: Statistical Methods in Finance	4
IE 524: Optimization in Finance	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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