

ISYE MS REQUIREMENTS: Quality Engineering Research Area

STUDENT NAME: _____ CAMPUS ID#: _____ DATE: _____

ADVISOR NAME: _____ ADVISOR SIGNATURE: _____

Cont. on For PHD: Yes No Degree Requirements Confirmed (Office use only): _____

FOUNDATION COURSES (All Required—12 cr)		Term Taken	Grade
ISyE/ME 512	Inspection, Quality Control, and Reliability		
ISyE 515	Engineering Mgmt of Cont Process Improvement		
ISyE 520	Quality Assurance Systems		
ISyE 575	Introduction to Quality Engineering		
Auth Substitution			
ORGANIZATIONAL DYNAMICS/CHANGE & SOCIOTECHNICAL SYSTEMS (6 cr min)		Term Taken	Grade
ISyE/Psych 652	Sociotechnical Systems		
ISyE/Psych 653	Organization and Job Design		
ISyE/Psych 753	Seminar in Organization & Job Design		
ISyE 854	Special Topics in Organizational Design		
MHR 700	Organizational Behavior		
OTM 770	Intro to Quality & Prod Improv (Double count)		
Auth Substitution			
STATISTICAL METHODS (3 cr min)		Term Taken	Grade
ISyE 612	Information Sensing & Data Analysis for Manufacturing		
STAT 333	Applied Regression Analysis		
STAT 349	Introduction to Time Series		
STAT 411	Introduction to Sample Survey Theory and Methods		
STAT 421	Applied Categorical Data Analysis		
STAT 701	Applied Time Series Analysis—Forecasting and Control		
STAT 756	Multivariate Analysis		
STAT 803	Experimental Design I		
STAT 849	Theory and Appl of Regression & Analysis of Variance I		
Auth Substitution			
IE ELECTIVES (3 cr min)		Term Taken	Grade
ISyE 417	Health Systems Engineering		
ISyE/ME 513	Analysis of Capital Investments		
ISyE 610	Design of Program Evaluation Systems		
ISyE 613	Systems Evaluation		
ISyE/OTM 620	Simulation Modeling & Analysis		
ISyE 641	Design & Analysis of Mfg Systems (Double count)		
ISyE 658/OTM 758	Managing Technological Change in Mfg Systems		
ISyE 691	Special Topics in ISYE (Advisor consent required prior)		
ISyE 946	Adv Topics Mfg Sys: Diag & Control of Q in Lg Mfg Sys		
Auth Substitution			
BUSINESS ELECTIVES (3 cr min)		Term Taken	Grade
INDEPENDENT STUDY (3 cr req'd)		Term Taken	Grade

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INDEPENDENT STUDY (3 cr required)

Three independent study credits approved in advance by the student's advisor are required. Independent study or an actual quality improvement project from an industrial, health, or service area is required for the 3 credits.

**Please complete & return form to Student Services, 3182 ME Bldg your final semester.

EXIT REQUIREMENTS

In order to be eligible for graduation, a Master's student must:

- Have a GPA of 3.0 or higher
- Meet all MS degree requirements for their focus area
- Have all grades entered, except for the current semester. No Is or NRs can show on the student's transcript.
- Be enrolled in at least 2cr the semester in which they graduate.
- Have their MS degree warrant signed and dated by the degree deadline.

DOCTORAL REQUIREMENTS

The requirements for the Ph.D. degree include a minimum number of 32 credits, and include research in area of specialization, satisfactory performance in the Qualifying Exam, the Preliminary Exam, and a successful defense of a Ph.D. thesis. Admission and GPA requirements are the same as those specified by the ISyE Department.

JOB PLACEMENT

Engineering Career Services Office
Engineering Centers Building
1550 Engineering Drive, Room M1002
Madison, WI 53706
Tel: (608) 262-3471
FAX: (608) 262-7262
ECS Web Address is:
<http://ecs.engr.wisc.edu>

FURTHER INFORMATION

University of Wisconsin-Madison
Industrial and System Engineering Department
1513 University Avenue, Room 3270
Madison, WI 53706-1572
Tel: (608) 262-2686
FAX: (608) 262-8454
Email: ie-admission@engr.wisc.edu
IE Department Web Address:
<http://www.engr.wisc.edu/ie>