

ISYE MS REQUIREMENTS: Human Factors Research Area (Prior to Fall '10)

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

ADVISOR NAME: _____ ADVISOR SIGNATURE: _____

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

Total: 24 cr distributed in the following four categories; Must have 9 cr in one of the first 3 categories			
1. Sociotech Systems & Macro ergonomics (3-9 cr)*		Term Taken	Grade
ISyE 610	Design of Program Evaluation Systems		
ISyE/Psych 652	Sociotechnical Systems		
ISyE/Psych 653	Organization & Job Design		
ISyE 753	Seminar in Organization & Job Design		
ISyE 691/692/699*			
ISyE 854/859/961*			
2. Ergonomics (3-9 cr)*		Term Taken	Grade
ISyE/BME 564	Occupational Ergonomics and Biomechanics		
ISyE 662	Design for Human Disability & Aging		
ISyE 764	Occupational Biomechanics		
ISyE 691/692/699*			
ISyE 854/859/961*			
3. Safety (3-9 cr) *		Term Taken	Grade
ISyE 552	Human Factors Design and Evaluation		
ISyE 555	Human Performance & Accident Causation		
ISyE 556	Occupational Safety & Health Engineering		
ISyE/NE 574	Methods for Probabilistic Risk Analysis of Nuclear Power Plants		
ISyE 691/692/699*			
ISyE 854/859/961*			
4. Tools And Methods, see back (6cr min)		Term Taken	Grade
5. Master's Project Requirement (3-6cr min)		Term Taken	Grade
6. Elective (3 cr max)		Term Taken	Grade

TOOLS AND METHODS (6 cr)

On a yearly basis, the HFE faculty group will update the list of Tools and Methods courses, which can be found at <http://www.engr.wisc.edu/ie/current/grad/programs/Toolsandmethods.htm>. Advisors will decide which set of Tools and Methods courses is appropriate for the students. Following are categories of Tools and Methods courses:

- *Research Methods*
- *Statistics*
- *Qualitative Research*
- *Biomechanics Methods*

ISYE MS REQUIREMENTS: Human Factors Research Area (Prior to Fall '10)

* You may count multiple ISYE 691, 692, 699, 854, 859 and 961 graduate seminars toward satisfying the MS degree requirements, but they must be approved by your advisor. Your advisor will determine whether a seminar course counts toward credit in Physical Ergonomics, Macroergonomics, Cognitive Ergonomics or Tools & Methods.

MASTER'S PROJECT REQUIREMENT: All human factors graduate students are required to satisfactorily complete at least three credit hours devoted to directed research, design, development, or application, and prepare a written report covering this work. Students expecting to continue for the Ph.D. degree are encouraged to write a Master's Thesis. The choice of writing a formal thesis or a research report is made between each student and their advisor.

SEMINAR/SPECIAL TOPICS COURSES

ISyE 753 Seminar in Organization & Job Design
ISyE 756 Seminar in Technology & Society
ISyE 816 Special Topics in Systems Design
ISyE 854 Special Topics in Organizational Design
ISyE 859 Special Topics in Human Factors
ISyE 874 Special Topics in Ergonomics
ISyE 961 Graduate Seminar in Industrial Engineering

EXIT REQUIREMENTS

In order to be eligible for graduation, an MS student must:

- Have a GPA of 3.0 or higher
- Meet all MS degree requirements
- 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.

JOB PLACEMENT

For assistance in your job search, please contact:

Engineering Career Services Office
1550 Engineering Drive, Room M1002
Madison, WI 53706
Tel: (608) 262-3471
<http://www.engr.wisc.edu/services>