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DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING, UW-MADISON

Procedure Number:	ISyE P 16.1
Subject:	Department Policies Governing the Research-option M.S Degree in Industrial & Systems Engineering
Date Issued:	02/16/2018
Supersedes:	05/08/2009
Written by:	Academic Affairs Cluster
Approved by:	ISyE Department
Review/Approved Date:	February 16, 2018

1. Purpose:

The purpose of the following document is to define the requirements for awarding the research-option M.S. Degree in Industrial and Systems Engineering.

2. Scope:

This procedure applies to both full-time and part-time ISyE graduate students and faculty, and addresses the departmental policies, which apply in addition to the regulations of the Graduate School, with which all graduates students should be thoroughly familiar. The applicable Graduate School regulations may be found in the Graduate School Academic Guidelines, which is available from the Graduate School, or at <http://www.wisc.edu/grad/guidelines/glossindex.html>.

This procedure does not cover the requirements for the Named Options M.S. Degree in Industrial and Systems Engineering. Requirements for that option are covered in a separate document (see below).

3. Related Procedures and Other Documentation:

<u>Procedure No.</u>	<u>Description of Procedure</u>
ISyE P 11.1	Criteria for Satisfactory Academic Progress as a Graduate Student in Industrial Engineering
ISyE P 12.1	Administration of Probation for Graduate Students in Industrial Engineering
ISyE P 16.2	Department Policies Governing the Named Options M.S. Degree in Industrial and Systems Engineering

Other Documents

- Graduate School Academic Guidelines <http://www.wisc.edu/grad/guidelines/glossindex.html>
- Suggested courses for students wishing to specialize in different research areas.

4. Credit Requirements:

- 4.1. The research-option MSIE degree at UW-Madison requires a minimum of 30 total credits. The courses must be approved by the student's faculty advisor and the associate chair of graduate studies, and meet all the requirements specified below.

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- 4.2. At least 3 (and at most 6) credits of ISyE 790 (Master's Research and Thesis) are required. ISyE 890 may be substituted for this requirement for ISyE PhD students.
- 4.3. Of the required credits, all must be at the 300 level or higher, at most 6 can be at the 300 level, 15 must be graduate-level credits, 16 must be taken as a graduate student in residence at UW-Madison, and 18 must be in the Industrial and Systems Engineering Department. (Graduate-level courses are those identified with the Graduate Level Coursework attribute in the University course guide.) Independent study credits cannot be used to meet the credit requirements.
- 4.4. Students should refer to **Procedure ISyE P 11.1** (see above) for the criteria for satisfactory academic progress, as well as for minimum grades required in courses for credit toward the MSIE degree.
- 4.5. Credit for courses graded S/U (or credit/no credit) will only be permitted for Research and Thesis and Graduate co-op courses.
- 4.6. Students obtaining their BSIE degree at UW-Madison are not allowed to apply credits from their undergraduate program for the research-option MSIE. (This is allowed for the named options degree.)
- 4.7. Students who have applied 18 or more ISyE credits to another UW-Madison graduate degree are not eligible to receive an MS in ISyE.
- 4.8. At most 3 credits of graduate co-op credits, ISyE 702, may be applied to meet the credit requirements.
- 4.9. Students transferred from other graduate program can transfer up to 9 graduate credits to this program upon the approval of his/her academic advisor and the associate chair for graduate studies.

5. **Policy on Continuation to the ISyE PhD program**

- 5.1. Admission and successful completion of the M.S. program does not imply admittance to the ISyE PhD program. Students wishing to take the PhD qualifying exam must first be admitted to the PhD program.
- 5.2. ISyE research-option M.S. students wishing to continue to the PhD program must have their admission to the PhD program recommended by an ISyE faculty member with tenure home in ISyE who is willing to serve as the student's PhD advisor. The admission of such students will then be evaluated by the associate chair for graduate studies or admissions committee using the same evaluation process as for all PhD applicants.

6. **Exit Requirements:**

- 6.1 In order to be awarded the MSIE degree, students must have a Department Cumulative Grade Point Average (DCGPA) of 3.0 or above in the courses taken at UW-Madison. (See **Procedure ISyE P 11.1** for definition and computation of DCGPA.)
- 6.2 A student will not be recommended for the MSIE degree while on probation. Refer to **Procedure ISyE P 12.1** (see above) for details on probation policies.
- 6.3 A student can only be awarded the MSIE degree once. No duplicate MSIE degrees are allowed. In particular, it is not possible to receive both the research-option MSIE degree and the named option MSIE degree.

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End of Procedure