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DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING, UW-MADISON

Procedure Number:	ISyE P 16.1
Subject:	Department Policies Governing the M.S Degree in Industrial & Systems Engineering
Date Issued:	05/08/2009
Supersedes:	02/15/2008
Written by:	Academic Affairs Cluster
Approved by:	ISyE Department
Review/Approved Date:	05/08/2009

1. Purpose:

The purpose of the following document is to define the requirements for the award of the MSIE degree.

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>. The departmental area committees may also have particular rules for their students.

This procedure does not cover the requirements for the 24-credit Professional Industrial Engineering Option. 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

Other Documents

- Graduate School Academic Guidelines <http://www.wisc.edu/grad/guidelines/glossindex.html>
- 24 Credit Master of Science in Industrial Engineering: Professional Industrial Engineering Option. (Available from the Industrial and Systems Engineering department office.)
- Area requirements for the MSIE degree (documents for each of the five areas: Decision Science/Operations Research, Health Systems Engineering, Human Factors and Ergonomics, Manufacturing & Production Systems, and Quality Engineering).

4. Credit Requirements:

4.1 The award of the MSIE degree at UW-Madison requires a minimum of 30 total credits.

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- 4.2 Of these credits, 18 must be graduate-level credits taken as a graduate student in residence at UW-Madison, and 15 must be graduate-level credits in the Industrial and Systems Engineering Department. (Graduate-level credits are defined by the Graduate School as credits in courses that are numbered 300 and above. See the Graduate School Academic Guidelines referenced above.)
- 4.3 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.
- 4.4 Credit for courses graded S/U will only be permitted for Independent Study or Thesis courses.
- 4.5 Students will be allowed to utilize in their MSIE program any credits of ISyE graduate courses taken at UW-Madison as a senior/grad if that status is approved at the time of admission to graduate status. These credits may not also count toward any BS or BA degree.

5. Area Requirements:

- 5.1 Each of the areas (Decision Science/Operations Research, Health Systems Engineering, Human Factors and Ergonomics, Manufacturing & Production Systems, and Quality Engineering) has its own course and distribution requirements for obtaining the MSIE degree within the above departmental framework (see "Other Documents" above).
- 5.2 If a student's MSIE program involves courses which deviate from an area's course and distribution requirements, such deviations must be approved in writing by the student's advisor, using the department's course substitution form, prior to taking the proposed courses. In addition, if the student's program involves more than 6 credits of course substitutions, this program must also be approved by the chair of the area.

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, even if they are in different areas (as discussed in Section 5 above).

End of Procedure