

MS in Industrial Engineering

Degree Requirements

The Master of Science in Industrial Engineering (MS) degree consists of two options: a 30-credit hour research oriented program requiring a thesis or a 30-credit hour application oriented program requiring a project report. The MS Industrial Engineering thesis option curriculum is built upon the choice of a concentration area around which students can mold their overall academic effort including six hours of research. The current focus areas are Data Analytics and Operations Research, Manufacturing and Production Systems, Sustainable Systems Engineering, Service and Supply Chain Systems, and Healthcare and Human-centered Systems. The MS Industrial Engineering project option requires three hours of an approved project advised by a faculty member in lieu of a thesis, and one more course.

IMSE 8110	Design and Analysis of Engineering Experiments	3
IMSE 8000-level or higher		9
8000-level IMSE or other department		3
Project Option		
7000/8000-level IMSE or other department		12
IMSE 8085	Problems in Industrial and Manufacturing Systems Engineering	3
Thesis Option		
7000/8000-level IMSE or other department		9
IMSE 8990	Research-Masters Thesis in Industrial Engineering	6
Total Credit		30

Accelerated BSIE in Industrial Engineering to MS in Industrial Engineering

An accelerated option is available for the BSIE in Industrial Engineering to MS in Industrial Engineering (<http://catalog.missouri.edu/collegeofengineering/industrialengineering/bsie-industrial-engineering/>).

Refer to the Graduate School's webpage on Accelerated Programs (<https://gradschool.missouri.edu/admissions/eligibility-process/accelerated-masters-applicants/>) for more information. For general information on how accelerated options work at MU, and for guidance on participation, refer to Accelerated Options (<http://catalog.missouri.edu/academicpolicies/acceleratedoptions/>) in the catalog.

Admissions

Application Deadlines

Applications accepted throughout the year.

Fall application deadline: March 1 (Priority deadline: January 1)

Spring application deadline: September 15

Minimum Admission Criteria

- Minimum GPA: 3.0/4.0
- Minimum Academic IELTS overall score: 6.5; or Minimum TOEFL scores:

Internet-based test (iBT)	Paper-based test (PBT)
80	550

- Recommended GRE scores:

When did you take the GRE?	Verbal	Quantitative
Prior to August 1, 2011	350	700
On or After August 1, 2011	143	155

- Foreign Language: No foreign language is required in either program.

Required Application Materials

To the Graduate School:

- All required Graduate School documents

To the IMSE Graduate Program:

- 3 letters of recommendation
- Statement of Purpose
- Curriculum Vitae (CV)
- GRE scores (optional but encouraged) (Note: GRE is waived for applicants who have graduated from an ABET-accredited engineering program.)

Admission Contact Information

Amy Rhea or James S. Noble, Director of Graduate Studies
E3437 Thomas and Nell Lafferre Hall
Columbia, MO 65211
(573) 882-2691

Missouri Online Program Information

For more information regarding the Missouri Online MSIE program and application, please see: <https://online.missouri.edu/degrees-programs/mu/engineering/industrial-engineering/ms/>

You can also contact the Program Director, Dr. Bin Wu, directly at: wubi@missouri.edu.

TA/RA Hiring

This academic department does not have any function of financial aid. Rather, IMSE hires TA/RA automatically based on the department needs. No separate application or contacts are necessary; all top ranked applicants will be considered.