



Twin Cities Campus

Industrial and Systems Engineering Minor

Industrial and Systems Engineering

College of Science and Engineering

Link to a [list of faculty](#) for this program.

Contact Information:

Industrial and Systems Engineering Graduate Program, University of Minnesota, 1120 Mechanical Engineering, 111 Church Street S.E., Minneapolis, MN 55455 (612-625-2009; fax: 612-624-2010)

Email: gradinfo@ie.umn.edu

Website: <http://www.ie.umn.edu>

- Program Type: Graduate minor related to major
- Requirements for this program are current for Spring 2018
- Length of program in credits (Masters): 6
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

The industrial and systems engineering (ISyE) program offers coursework and research in industrial and systems engineering, operations research, and human factors. Special emphasis is on methodologies for design, planning, and management of service and manufacturing systems. Examples of research applications include logistics, transportation, healthcare delivery systems, revenue management, and supply chain management.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission

For an online application or for more information about graduate education admissions, see the [General Information](#) section of the catalog website.

Program Requirements

Use of 4xxx courses towards program requirements is not permitted.

A minimum of 6 credits are required for a master's minor and a minimum of 12 credits are required for a doctoral minor.

Program Sub-plans

Students are required to complete one of the following sub-plans.

Students may not complete the program with more than one sub-plan.

Master's

The master's minor requires 6 credits in ISyE courses at the 5xxx-level or above. The following courses may not be used: IE 8773, IE 8774, and IE 8794.

Doctoral

The doctoral minor requires 12 credits in ISyE courses at the 5xxx-level or above. The following courses may not be used: IE 8773, IE 8774, and IE 8794.