INDUSTRIAL AND SYSTEMS ENGINEERING (MINOR)

This program was approved for students entering the university in the Summer 2025-Spring 2026 catalog year. For more information about catalog year, go to Catalog Year Information (https://catalog.louisville.edu/undergraduate/university-wide-unit-specific-policies/catalog-year/).

Minor in Industrial and Systems Engineering

Unit: Speed School of Engineering (https://engineering.louisville.edu/) (SS)
Department: Industrial and Systems Engineering (https://engineering.louisville.edu/academics/areasofstudy/industrialengineering/)
Academic Plan Code: IE__MIN

Program Requirements

The Minor in Industrial and Systems Engineering program is meant to supplement another Bachelor's degree program. The Industrial and Systems Engineering minor is available to all University of Louisville students who meet the Admission Requirements for the minor.

Industrial Engineers (often referred to as "System Engineers") are Systems thinkers and problem solvers. The majority of roles utilizing Industrial and Systems Engineering skills require training in one or more of the following areas: (1) statistical analysis, (2) experimental design and data analytics, (3) process improvement, (4) process innovation, (5) simulation and optimization of systems, and (6) product/system life-cycle planning.

For admission to the Minor in Industrial and Systems Engineering, students need to be in good standing of their program.

Required Coursework

Code	Title	Hours
ISE 240	Fundamentals of Industrial Engineering	3
ISE 250	Decision Support Systems	3
ISE 360	Probability and Statistics for Engineers	3
Industrial Engineering Electives		
IE Elective (400 or 500 level)		3
IE Elective (400 or 500 level)		3
Minimum Total Hours		**15**

Note: Students must meet all of the prerequisites for any given courses of the minor curriculum at the time of course registration.

At least three (3) semester hours of the requirements for a minor must be successfully completed while enrolled in the University of Louisville.