**Industrial Engineering, Doctoral Minor**

Industrial and systems engineering is an engineering discipline focusing on the design, analysis, improvement and implementation of complex systems that include humans, materials, equipment and other resources. The learning outcome of the doctoral minor is to gain general proficiency and distinctive attainment in one or more concentration areas in industrial and systems engineering, including: decision science and operations research, manufacturing production systems, health systems engineering, and human factors and ergonomics.

**Admissions**

For admissions, please contact the I Sy E coordinator in the Academic Affairs Cluster (https://www.engr.wisc.edu/academics/student-services/academic-advising/graduate-engineering-students/).

**Requirements**

A Ph.D. candidate from another department taking an Option A doctoral minor in industrial engineering must complete a minimum of 9 credits of I SY E (http://guide.wisc.edu/courses/i_sy_e/) courses numbered 300 or above. A minimum GPA of 3.20 is required for this set of courses. A course with a grade of C or lower cannot be used to satisfy the minor requirement. Students may transfer up to 3 credits from another university to satisfy the minor requirement, subject to the approval of the Academic Affairs Cluster.

**People**

Faculty Directory (https://directory.engr.wisc.edu/display.php?dept=ie&/#38;search=faculty)

**Professors**

- Carla Michini (https://directory.engr.wisc.edu/ie/Faculty/Michini_Carla/)
- Yonatan Mintz
- Robert Radwin (https://directory.engr.wisc.edu/ie/Faculty/Radwin_Robert/)
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- Shiyu Zhou (https://directory.engr.wisc.edu/ie/Faculty/Zhou_Shiyu/)
- Kaibo Liu (https://directory.engr.wisc.edu/ie/Faculty/Liu_Kaibo/)
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- Jeff Linderoth (https://directory.engr.wisc.edu/ie/Faculty/Linderoth_Jeffrey/)(Department Chair)
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- Vicki Bier (https://directory.engr.wisc.edu/ie/Faculty/Bier_Vicki/)
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**Affiliate Faculty**

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