Universal 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

FACULTY

PROFESSORS

- Oguzhan Alagoz (https://directory.engr.wisc.edu/ie/Faculty/Alagoz_Oguzhan)
- Vicki Bier (https://directory.engr.wisc.edu/ie/Faculty/Bier_Vicki)
- Pascale Carayon (https://directory.engr.wisc.edu/ie/Faculty/Carayon_Pascale)
- Ananth Krishnamurthy (https://directory.engr.wisc.edu/ie/Faculty/Krishnamurthy_Ananth)
- John Lee (https://directory.engr.wisc.edu/ie/Faculty/Lee_John)
- Jingshan Li (https://directory.engr.wisc.edu/ie/Faculty/Li_Jingshan)
- Jeff Linderoth (https://directory.engr.wisc.edu/ie/Faculty/Linderoth_Jeffrey) (Department Chair)
- Robert Radwin (https://directory.engr.wisc.edu/ie/Faculty/Radwin_Robert)
- Leyuan Shi (https://directory.engr.wisc.edu/ie/Faculty/Shi_Leyuan)
- Raj Veeramani (https://directory.engr.wisc.edu/ie/Faculty/Veeramani_Raj)
- Shiyu Zhou (https://directory.engr.wisc.edu/ie/Faculty/Zhou_Shiyu)

ASSOCIATE PROFESSORS

- Laura Albert (https://directory.engr.wisc.edu/ie/Faculty/Albert-Lmclay_Laura)
- Jim Luedtke (https://directory.engr.wisc.edu/ie/Faculty/Luedtke_James)
- Doug Wiegmann (https://directory.engr.wisc.edu/ie/Faculty/Wiegmann_Doug)

ASSISTANT PROFESSORS

- Alberto Del Pia (https://directory.engr.wisc.edu/ie/Faculty/Delpia_Alberto)
- Kaibo Liu (https://directory.engr.wisc.edu/ie/Faculty/Liu_Kaibo)
- Carla Michini (https://directory.engr.wisc.edu/ie/Faculty/Michini_Carla)
- Xin Wang (https://directory.engr.wisc.edu/ie/Faculty/Wang_Xin)
- Nicole Werner (https://directory.engr.wisc.edu/ie/Faculty/Werner_Nicole)
- Gabriel Zayas-Caban (https://directory.engr.wisc.edu/ie/Faculty/Zayas-caban_Gabriel)

AFFILIATE FACULTY

- Barbara Bowers (https://directory.engr.wisc.edu/ie/Faculty/Bowers_Barbara)
- Elizabeth S. Burnside (https://directory.engr.wisc.edu/ie/Faculty/Burnside_Elizabeth)
- Molly Carnes (https://directory.engr.wisc.edu/ie/Faculty/Carnes_Mary)
- Peter Chien (https://directory.engr.wisc.edu/ie/Faculty/Chien_Peter)
- Gregory DeCroix (https://directory.engr.wisc.edu/ie/Faculty/Decroix_Gregory)
- Michael Ferris (https://directory.engr.wisc.edu/ie/Faculty/Ferris_Michael)
- Caprice Greenberg (https://directory.engr.wisc.edu/ie/Faculty/Greenberg_Caprice)
- Po-ling Loh (https://directory.engr.wisc.edu/ece/Faculty/Loh_Po-ling)
- Eneida Mendonca (https://directory.engr.wisc.edu/ie/Faculty/Mendonca_Eneida)
- Bilge Mutlu (https://directory.engr.wisc.edu/ie/Faculty/Mutlu_Bilge)
- David Noyce (https://directory.engr.wisc.edu/cee/Faculty/Noyce_David)
- Kevin Ponto (https://directory.engr.wisc.edu/ie/Faculty/Ponto_Kevin)
- Carla Pugh (https://directory.engr.wisc.edu/ie/Faculty/Pugh_Carla)
- Andrew Quanbeck (https://directory.engr.wisc.edu/ie/Faculty/Quanbeck_Andrew)
- Thomas Rutherford (https://directory.engr.wisc.edu/ie/Faculty/Rutherford_Thomas)
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• Bruce R. Thomadsen (https://directory.engr.wisc.edu/bme/Faculty/Thomadsen_Bruce)
• David J. Vanness (https://directory.engr.wisc.edu/ie/Faculty/Vanness_David)
• Rebecca Willett (https://directory.engr.wisc.edu/ece/Faculty/Willett_Rebecca)
• Stephen J. Wright (https://directory.engr.wisc.edu/ie/Faculty/Wright_Stephen)
• Victor Zavala (https://directory.engr.wisc.edu/che/Faculty/Zavala_Victor)

EMERITUS PROFESSORS
• John G. Bollinger (https://directory.engr.wisc.edu/ie/Faculty/Bollinger_John)
• Patricia Brennan (https://directory.engr.wisc.edu/ie/Faculty/Brennan_Patricia)
• Dennis G. Fryback (https://directory.engr.wisc.edu/ie/Faculty/Fryback_Dennis)
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• William G. Reddan (https://directory.engr.wisc.edu/ie/Faculty/Reddan_William)
• Stephen M. Robinson (https://directory.engr.wisc.edu/ie/Faculty/Robinson_Stephen)
• Jerry L. Sanders (https://directory.engr.wisc.edu/ie/Faculty/Sanders_Jerry)
• Michael J. Smith (https://directory.engr.wisc.edu/ie/Faculty/Smith_Michael)
• Harold J. Steudel (https://directory.engr.wisc.edu/ie/Faculty/Steudel_Harold)
• Rajan Suri (https://directory.engr.wisc.edu/ie/Faculty/Suri_Rajan)
• Arne Thersen (https://directory.engr.wisc.edu/ie/Faculty/Thersen_Arne)
• Gregg Vanderheiden (https://directory.engr.wisc.edu/ie/Faculty/Vanderheiden_Gregg)
• David R. Zimmerman (https://directory.engr.wisc.edu/ie/Faculty/Zimmerman_David)