

# INDUSTRIAL ENGINEERING: RESEARCH, MS

This is a named option within the Industrial Engineering MS (<http://guide.wisc.edu/graduate/industrial-systems-engineering/industrial-engineering-ms/>).

The Department of Industrial and Systems Engineering offers this Master of Science (MS) industrial engineering degree with a named option in Research. This degree program takes approximately two years to complete. This program has a significant research component, giving students valuable hands-on research experience with mentoring by faculty in the Department of Industrial and Systems Engineering.

The Department of Industrial and Systems Engineering focuses on four main research areas:

Operations Research, Optimization, and Analytics (<https://engineering.wisc.edu/departments/industrial-systems-engineering/research/operations-research-optimization-and-analytics/>)

Health Systems Engineering (<https://engineering.wisc.edu/departments/industrial-systems-engineering/research/health-systems-engineering/>)

Human Factors and Ergonomics (<https://engineering.wisc.edu/departments/industrial-systems-engineering/research/human-factors-and-ergonomics/>)

Advanced Manufacturing and Industrial AI (<https://engineering.wisc.edu/departments/industrial-systems-engineering/research/advanced-manufacturing-and-production-systems/>)

All students are mentored by the world-class faculty in the industrial and systems engineering department at UW-Madison. For a list of industrial and systems engineering faculty along with faculty research interests, please visit our faculty directory. (<https://directory.engr.wisc.edu/ie/faculty/>) For more information on research areas see our page on research in Industrial and Systems Engineering (<https://engineering.wisc.edu/departments/industrial-systems-engineering/research/>).