

INDUSTRIAL ENGINEERING, M.S.

The Department of Industrial and Systems Engineering offers opportunities for graduate study leading to the master of science and the doctor of philosophy degrees in industrial and systems engineering.

The Department offers three distinct master of science programs. The Master of Science in Industrial Engineering research program is designed for students wishing to conduct research during their program. More information about the research program can be found here (<http://guide.wisc.edu/graduate/industrial-systems-engineering/industrial-engineering-ms/industrial-engineering-research-ms/>).

The two course-based named option programs in the MS-IE, Human Factors and Health Systems Engineering M.S. (<http://guide.wisc.edu/graduate/industrial-systems-engineering/industrial-engineering-ms/industrial-engineering-human-factors-health-systems-engineering-ms/>) and Systems Engineering and Analytics M.S. (<http://guide.wisc.edu/graduate/industrial-systems-engineering/industrial-engineering-ms/industrial-engineering-systems-engineering-analytics-ms/>), are accelerated programs that can be completed in one full year of study and are designed for students wishing to pursue a career in industry or government.

The department also offers a graduate/professional certificate in Patient Safety (<http://guide.wisc.edu/graduate/industrial-systems-engineering/patient-safety-graduate-professional-certificate/>). This certificate is an interdisciplinary effort between the Department of Industrial and Systems Engineering, School of Nursing, School of Pharmacy, Department of Medical Physics, and Department of Population Health Sciences.