

INDUSTRIAL ENGINEERING, BS

Welcome to the intersection of engineering, people, and business.

The Industrial Engineering (BS) program at University of Wisconsin–Madison is an internationally top ranked program. We prepare students to design, analyze, and improve complex systems that involve people, technology, materials, information, and energy -- from hospitals and factories to supply chains, software systems, and beyond.

Our curriculum blends rigorous math and engineering fundamentals with modern tools in data science/AI, optimization, simulation, human factors, ergonomics, and operations research. You'll discover how to transform data into insights, use analytics and AI-inspired techniques to make better decisions, and tailor the major toward your passions, whether that's supply chain logistics, healthcare systems, manufacturing, user-centered design, or industrial data analytics.

An Industrial Engineering degree opens the door to a wide range of careers: healthcare systems, business and industrial analytics, supply chain and logistics, manufacturing, consulting, and user-centered design, among many others.

For more detailed information about the program, curriculum, and student opportunities, visit the Industrial & Systems Engineering department website (<https://engineering.wisc.edu/departments/industrial-systems-engineering/>).