EXPLORE

Industrial Engineering

PennState
College of Engineering

The Industrial Engineering program at Penn State is consistently ranked as one of the top programs in the United States as reported by U.S. News and World Report.

Our curriculum provides a broad-based education in human factors and ergonomics, manufacturing, operations research, and production, supply chain, and service engineering.

We accomplish this through a base of mathematics, physical, and engineering sciences along with hands-on laboratory and industrial experiences that prepare you for your career.

The program builds a strong foundation for the development of a professionally competent and versatile industrial engineer.

Our graduates are trained to function in a traditional manufacturing environment as well as in a much broader global context.

Industrial engineers from Penn State have established successful careers in financial services, communications, information technology, transportation, health care, consulting, and academia.

We have a number of professional societies for IEs that allow students to explore industrial engineering outside the classroom.

Students have access to speakers, career fairs, plant tours, conferences, competitions, professional contacts, leadership opportunities, and social events.

Engineering Co-op & Internship Program

Integrate classroom learning with real-world experience

Study Abroad Program

Gain a worldwide perspective as you develop foreign language skills, cultural understanding, and professional experience

Graduate Program

Broaden educational credentials and improve your marketability in the global workplace

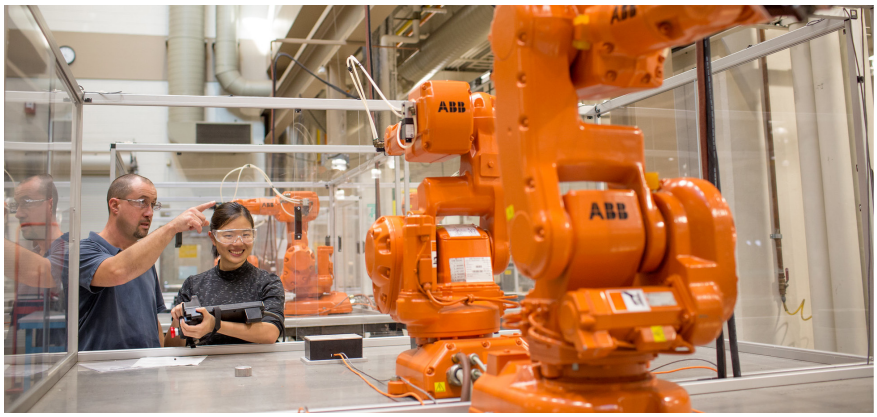
AVERAGE ENTRY-LEVEL SALARY OF INDUSTRIAL ENGINEERING GRADUATES

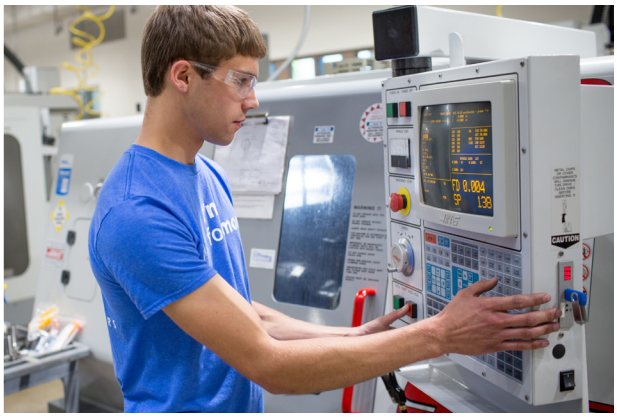
$70,000

www.engr.psu.edu/career/students/averagesalaries.aspx

IE

Hear from students and alumni by watching the Exposure to Major video series: **bit.ly/PennStateEngineering**





What is an industrial engineer?

Industrial Engineers (IEs) design integrated systems and processes to improve productivity, safety, and quality. IEs determine how to do things better through eliminating waste of time, materials, and money. Rooted in the sciences of engineering, the analysis of systems, and the management of people, IEs engineer a wide variety of systems, including manufacturing consumer products, logistics, financial operations, health care systems, and amusement park operations. Industrial engineers are responsible for improving the effectiveness and the competitiveness of an organization.

Examples of career opportunities: Analyzing and optimizing manufacturing and service systems, developing and improving plant layouts to maximize efficient use of space, equipment, and labor, implementing Lean Manufacturing/Six Sigma tools to improve quality and efficiency, applying IE techniques to solve complex business problems, implementing engineering initiatives to help drive efficiency and service within a distribution center or supply chain, applying analytics and engineering management concepts in a health care environment

Stephanie Vojtek
Senior

"Studying Industrial Engineering leads to diverse opportunities and flexibility in the professional world. I especially like Penn State's program because it facilitates its students to mold their own personal experience with a wide range of courses, research labs, and related clubs and organizations to develop our future careers. From the faculty and staff to the labs and facilities, they are dedicated to support us, challenge us, and prepare us to be the best engineers possible."

Inspiring Change.
Impacting Tomorrow.

ime.psu.edu