Top reasons to choose industrial engineering as your major

- K-State’s IE students are actively recruited by industry and often participate in multiple internships prior to graduation.

- Faculty place a strong emphasis on teamwork and group projects to teach students the skills needed to succeed in today’s work environment.

- The department offers two mentor programs: Peer-to-Peer Mentoring and the IMSE Professional Academy Mentor Program.

- Multiple clubs and organizations help students develop leadership and networking skills. Members participate in workshops, conferences and socials.

- The IMSE capstone design opportunity challenges students to create their own business to include product design, production, marketing, sales and distribution.
Student experience

- Concurrent B.S./M.S. program — High-performing students can apply to earn a bachelor’s and master’s degree at the same time.
- Study Abroad — Australia and the Czech Republic are the most popular destinations for our students who study abroad.

Beyond K-State

Our students are in high demand. Within the past three years, graduates have taken jobs with average starting salaries of $65,000 located nationally and internationally with most finding work in Kansas, Missouri, Texas, Arkansas and Iowa at companies such as Deloitte Consulting, Cerner, ExxonMobil, J.B. Hunt, Lockheed Martin and Pepsico/Fritolay.
Why industrial engineering at K-State?

Program overview

- Industrial and manufacturing systems engineers design, analyze and improve production systems. Where other engineers design products, IEs create processes to make goods and provide services. They work to improve the productivity of individuals and organizations.

- IEs use computers, mathematics, science, problem-solving techniques and engineering skills to solve complex business problems and design modern production systems. They work in industries such as manufacturing, health care, transportation, financial, communications, government, military and consulting.

- The IE degree program is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org.
Industrial engineers are business- and people-oriented. Careers in industrial engineering can range from project consultants to logistic directors, and business owners to financial analysts. Our curriculum offers four areas of emphasis to prepare students for multiple career options within industry:

- **Operations research**
  Operations research helps decision makers understand business problems, generate and evaluate innovative solutions, and make complex decision in the face of uncertainty.

- **Engineering management**
  Engineering managers deal with effective resource utilization including management of money, materials, information, people, facilities and equipment.

- **Manufacturing processes and systems**
  Production systems, and analysis and improvement of productivity are the heart and soul of industrial engineering. Material handling, quality engineering, lean engineering, six sigma and continuous improvement are all important topics.

- **Human factors engineering**
  The study of human characteristics provides appropriate design of tools, devices, equipment, machines, controls, workstations and environment to minimize human operators’ stress/fatigue and improve productivity.

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**Student testimonials**

“I admit, when I started at K-State, I had never heard of industrial engineering. Through friends and an engineering seminar, I learned this degree perfectly blends engineering and business concepts. It wasn’t long before I knew I had made the right choice.”

—Andrew Waldman, ’14

*Business analyst, Deloitte Consulting*

“From the first day I stepped on campus, it was easy to see that the industrial engineering department was a close knit group with something special. Small classes allow the faculty to know you on a first-name basis. You to get to know all the other students in the department well, which is very useful when you need help in a class or just someone to hang out with on the weekends.”

—Andrew Huschka, ’11

*Process engineer, Proctor & Gamble*