WHAT IS INDUSTRIAL ENGINEERING?

Industrial engineers are optimization experts, focusing on the effective use of people, machines, materials, information and energy to improve processes for products and services. This unique engineering field includes the development of analytical methods and techniques that concentrate on higher productivity and better quality. Firms looking to develop more efficient processes hire industrial engineers to reduce costs and waste while increasing safety and efficiency.

WHY THE UNIVERSITY OF HOUSTON?

The industrial engineering department at the UH Cullen College of Engineering is highly-ranked, consisting of top-performing students and world-class faculty and researchers. Industrial engineering graduate students are taught by professors who are actively conducting research in the areas of healthcare and medical decisionmaking, homeland and port security, energy, reliability and maintenance, logistics and transportation, supply chains and manufacturing. Graduate students are exposed to professional and research opportunities throughout their education.
WHAT CAN I DO WITH AN INDUSTRIAL ENGINEERING GRADUATE DEGREE?

Industrial engineers are trained to work virtually anywhere in industry to improve system performance. Specific industries include manufacturing, logistics and transportation, supply chain, energy, oil and gas, healthcare, retail, hotel chains, airlines, construction companies, banks, social services and government.

A 2019 salary survey produced by Payscale.com found that new industrial engineering graduates earn an average starting salary of $59,203. National Occupational Employment and Wage Estimates from 2018 show industrial engineers earned a mean annual salary of $91,630.

WHAT TYPES OF GRADUATE DEGREES DO YOU OFFER IN INDUSTRIAL ENGINEERING?

The UH Cullen College of Engineering offers a Master’s degree in IE (MIE), Master of Science (MSIE) degree and a Ph.D. degree. The following special programs are also available to industrial engineering graduate students:

- **MIE/MBA concurrent degree**: The UH Cullen College of Engineering and the C. T. Bauer College of Business at the University of Houston offer a concurrent degree program.

- **MIE with concentration in public safety management**: This concentration provides a solid education for understanding and tackling interdisciplinary issues at the intersection of public safety management and industrial engineering.

- **Master’s in Engineering Management**: This degree bridges the gap between engineering and technological problem-solving abilities of engineers with administrative skills for leading the day-to-day operations of modern complex organizations.

FOR MORE INFORMATION

For more information on eligibility and admissions requirements, please visit [www.ie.uh.edu/graduate-program/overview](http://www.ie.uh.edu/graduate-program/overview)