> **The engineer has been, and is, a maker of history.**
> – James Kip Finch

INDUSTRIAL ENGINEERING

Industrial engineers stand out among the engineering disciplines in that they deal with the human element. Their job is to figure out how to make production processes happen better, faster and safer. Your favorite television or computer was on the store shelf for you to buy because an industrial engineer made sure the necessary materials, personnel and machinery were available to produce and deliver it. Industrial engineers analyze, design and control production, service and distribution systems. They use mathematical, physical and social sciences along with principles and methods of engineering analysis and design to specify, predict and evaluate systems.

Industrial Engineering Studies

As an industrial engineering student, you will be prepared for a wide variety of employment opportunities in manufacturing, healthcare, government, research and advanced education in fields such as engineering, law, medicine or business. In addition to engineering principles and analysis, you will study chemistry, industrial engineering, engineering physics, manufacturing processes, engineering operations, quality control, simulation modeling and facilities planning and design.

Research Highlight

Industrial engineering Ph.D. candidate Brendan Sullivan (bottom photo, left) and Delia J. Valles-Rosales, associate professor of industrial engineering (bottom photo, right), examine the Portable Assisted Mobile Device that was developed by NMSU students for the 2014 PACE (Partners for the Advancement of Collaborative Engineering Education) competition in Turin, Italy.

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