What is Industrial Engineering?
Have you ever wondered why a package you order online from somewhere like New York does not just fly directly to your hometown? Or how something a complicated as a car, tractor, or computer can be put together in mass quantities in a short amount of time? If so, then you have marveled at a job done by an Industrial Engineer.

Industrial Engineers work to improve PROCESSES, or HOW things are done. They also work on lean manufacturing, ergonomics, and process efficiencies. How can we make things cheaper and more efficient or time effective? How can the desired outcome be achieved with minimal cost, use of resources, and risk?

For example, companies like UPS, FED-X, and any other company that handles its own shipping processes, use Industrial Engineers to determine the most cost effective way to transport packages across the country and around the world.

Ergonomics, or human factors, is dealing with the operator within a process. For example, if a person is bending over picking up a heavy box and carrying it a long distance all day, he is going to have a lot of stress and strain on his back that might lead to a serious injury. An IE would re-design the processes, tasks, and tools so that workers do not get hurt on the job. Maybe they could install a conveyor belt system that requires a lot less physical demand from the operators.

Industrial engineering is our most business based major within the College of Engineering. Because of this fact, we offer a 5 year concurrent MBA program. This allows students to get a BS in Industrial Engineering and a Masters of Business Administration in 5 years.

Numbers:
- Undergraduates: 251 students (Spring 2011)
- Graduate: 70 (Spring 2011)
- Average starting salary: $55,000
- 96 % In-Profession placement rate within 6 months after graduation

Clubs and Projects:
- Institute of Industrial Engineers (IIE) Student branch of national professional society.
• **Sales Engineering Club** – A club to increase student awareness and interest in sales engineering.

• **‘Deadliest Catch’ Fishing Net Project** – A professor and some students are working together to find a way to hoist nets from the sea in a way that would prevent injuries from heavy lifting.