INDUSTRIAL ENGINEERING TECHNOLOGY MAJOR (B.S.)

Purpose
The industrial engineering technology degree prepares graduates with knowledge of industrial engineering technology for careers in industrial and technical management, which enables them to impact the world.

Engineering Program Learning Outcomes
The student will be able to:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Program Educational Objectives
Our goal is, within a few years of graduating, our Industrial Engineering Technology students will be able to:

1. Recognize ethical practices of the discipline within the context of a Christian worldview.
2. Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline.
3. Design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline.
4. Apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
5. Conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes.
6. Function effectively as a member as well as a leader on technical teams.

Program of Study
Delivery Format: Online Only

- Industrial Engineering Technology (B.S.) - Online

Career Opportunities
- Industrial Engineer Technologist
- Quality Engineer
- Operations Manager
- Production Planner
- Project Engineer
- Process Engineer
- Production Manager
- Lean Coordinator