Industrial Technology Mission & Objectives

Program Mission

The mission of the Bachelor of Science in Industrial Technology undergraduate degree is to prepare technical and/or management oriented professionals for employment in business, industry, education, and government whose duties and responsibilities primarily involve the management, operation, and maintenance of complex technological systems.

Program Goals and Objectives

- Graduates will find employment within the field of Industrial Technology within their first year.
- Graduates will continue to work within the field of Industrial Technology.
- Graduates are adequately prepared for advancement within the field of Industrial Technology.

Program Definition

By definition, the Industrial Technology program leads to a Bachelor of Science degree administered by the Department of Technology Systems. This program exists to provide professionals for the Industrial Technology Industry with a combination of technical, business, and communication skills who are involved with the:

- Application of theories, concepts, and principles found in the humanities and the social and behavioral sciences, including a thorough grounding in communication skills.
- Understanding of the theories and the ability to apply the principles and concepts of mathematics and science and the application of computer fundamentals.
- Application of concepts derived from, and current skills developed in, a variety of technical and related disciplines.

Program Outcomes

- Mastery of the knowledge, techniques, skills, and modern tools: Graduates will exhibit an appropriate mastery of the knowledge, techniques, skills, and modern tools of their disciplines.
- Ability to identify, analyze and solve technical problems: Graduates will exhibit an ability to identify, analyze and solve technical problems appropriate to their discipline.
- Ability to analyze, design, optimize, and maintain systems or processes: Graduates will exhibit an ability to analyze, design, optimize, and maintain systems or processes appropriate to their discipline.
- Ability to adapt to emerging applications of technology: Graduates will exhibit an ability to adapt to emerging applications of technology appropriate to their discipline.
- Ability to communicate effectively: Graduates will exhibit an ability to communicate effectively.
- Ability to function effectively on teams: Graduates will exhibit an ability to function effectively on teams.
- Recognition of the need and an ability to engage in lifelong learning: Graduates will recognize the need for, and exhibit an ability to engage in lifelong learning.
- Ability to understand professional, ethical, global, and social responsibilities: Graduates will exhibit an ability to understand professional, ethical, global, and social responsibilities.
- Respect for diversity and knowledge of contemporary professional, societal, and global issues: Graduates will exhibit a respect for diversity and knowledge of contemporary professional, societal, and global issues.
- Commitment to quality, timeliness, and continuous improvement: Graduates will exhibit a commitment to quality, timeliness, and continuous improvement.