

Industrial Engineering Program Mission Statement

The mission of the Industrial Engineering Program at Navajo Technical College is to provide the best possible education, research, services, and resources to prepare students for careers in industry, research or academia and to achieve success in life.

Industrial Engineering Program Goals

- 1) To provide students with training in ethics and professionalism and a desire to contribute to the profession
- 2) To help students realize the value of lifelong learning
- 3) To prepare students for licensure as a Registered Professional Engineer with knowledge more than sufficient to pass the FE/EIT test before or at the time of graduation and the PE test after their apprenticeship
- 4) To prepare students with theoretical understanding of tools and methods used in engineering to analyze and implement solutions to problems encountered in the course of engineering employment
- 5) To provide training in Project Management, leadership and teamwork so that students will immediately be a valuable asset to any organization
- 6) To assure that students have more than sufficient knowledge to be able to work in any area that falls under the rubric of Industrial Engineering without retraining or additional training
 - a. To prepare students to be able to collect and analyze data needed for methods of Industrial Engineering analysis
 - b. To assure that students have more than sufficient knowledge of economy to be able to justify projects and to measure productivity gains or loss
 - c. To prepare students with knowledge of manufacturing processes needed to assure that the best practices are employed
 - d. To provide skills needed to help organize teams, shops or entire organizations