



THE UNIVERSITY OF ARIZONA

College of Engineering

[engineering.arizona.edu](http://engineering.arizona.edu)

## Bachelor of Science in Industrial Engineering<sup>†</sup>

Department of Systems and Industrial Engineering

### Program Educational Objectives

#### Objective 1:

Technical Proficiency: Graduates integrate mathematics, physics, engineering science, operations research, applied probability and statistics, manufacturing technology, production planning, and computer simulation to model, analyze, and improve industrial systems and processes at various scales.

#### Objective 2:

Professional Growth: Graduates develop a sense of social responsibility and exercise their capabilities for life-long learning as means to enhance their technical and social skills.

#### Objective 3:

Leadership Skills: Graduates create inclusive and innovative environments by developing and refining their leadership, communication, and overall professional skills to achieve maximum efficiency in a team setting.