



## 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 and analyze entire systems that are composed of their individual components, subsystems, and processes.

#### Objective 2:

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

#### Objective 3:

Management Skills: Graduates develop and refine their management, communications, and professional skills to increase their effectiveness as team members and team leaders.