



THE UNIVERSITY OF ARIZONA

College of Engineering

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

## Bachelor of Science in Systems 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, and computer simulation to model and analyze entire systems that are composed of their individual components and subsystems.

#### **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.

<sup>†</sup> Accredited by the Engineering Accreditation Commission of ABET,  
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