Bachelor of Science in Systems Engineering†
Department of Systems and Industrial Engineering

Program Educational Objectives

Objective 1:
Technical Proficiency: Using basic science, computer simulation and software, and systems engineering methods, graduates define and execute design, development, integration, verification, validation, deployment, sustainment, and retirement strategies to successfully realize systems that require the integration of diverse disciplines in complex environments.

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 skills and collaboration in a diverse and inclusive work environment.

Objective 3:
Leadership Skills: Graduates create inclusive and innovative environments by developing and refining their leadership, communication, collaboration, interpersonal skills, teamwork, and cooperation to achieve maximum efficiency in a team setting.