# Bachelor of Science in Software Engineering †

## Department of Systems and Industrial Engineering

## Program Educational Objectives

**Objective 1:**  Technical Proficiency.
Graduates will apply their knowledge of software engineering principles and practices to define, design, develop, test, deploy, and maintain innovative and secure software solutions that meet user needs and address real-world challenges, while also considering factors that have a cultural, environmental, economic, and ethical impact.

**Objective 2:**  Professional Growth.
Graduates develop a sense of social responsibility and pursue life-long learning opportunities to enhance their technical, interdisciplinary, and interpersonal skills. Graduates demonstrate ethical principles in the application of software-based solutions to societal and organizational problems.

**Objective 3:**  Leadership Skills.
Graduates will develop and refine their leadership, effective communication, and collaboration skills to maximize software value and quality in a team setting. Graduates will serve as role models for others and promote a culture of diversity, inclusion, and equity in their work environment.

† Pursuing accreditation in accordance with ABET's Engineering Accreditation Commission.