

Bachelor of Science in Systems Engineering[†]

Department of Systems and Industrial Engineering

Program Educational Objectives

- Objective 1:** Students should have the ability to model and solve problems using the techniques of mathematics, physics, engineering science, operations research, applied probability and statistics, and computer simulation.
- Objective 2:** Students should know and should have the ability to consider the entire system as a whole when solving problems, and not simply look at components and subsystems individually.
- Objective 3:** Students should be effective team members. This includes teamwork skills as well as communication skills.
- Objective 4:** Students should be proficient at using modern computer tools to solve problems.
- Objective 5:** Students should understand and appreciate professional behavior in engineering.