

# Automation & Controls Engineering Technology

## Program Educational Objectives

Program educational objectives are broad statements that describe what graduates are expected to attain within a few years after graduation. Program educational objectives are based on the needs of the program's constituencies.

**The Automation & Controls Engineering Technology Bachelor of Science program graduates are expected to attain the following objectives:**

1. Apply engineering principles to the work environment;
2. Use quality tools and data to anticipate and solve issues in the engineering process; and
3. Work collaboratively.

## Student Outcomes (ABET 1-5)

Student outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the knowledge, skills, and behaviors that students acquire as they progress through the program.

1. Ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline;
2. Ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline;
3. Ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature;
4. Ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes; and
5. Ability to function effectively as a member as well as a leader on technical teams.