

BS in ENGINEERING TECHNOLOGY - MECHATRONICS Concentration

A. Program Educational Objectives

Program Educational Objectives – Bachelor of Science in Engineering Technology

1. Graduates manage projects from problem identification to hands on implementation.
2. Graduates function effectively on teams and communicate effectively in spoken, written, and graphical forms.
3. Graduates are proficient in the use of engineering technologies as tools to solve real world problems.
4. Graduates recognize professional, ethical, and social issues in practice.
5. Graduates demonstrate a commitment to quality and dependability.
6. Graduates stay current professionally.

Program Educational Objectives - Concentration in Mechatronics Engineering Technology

7. As project team members, graduates recognize opportunities and create solutions using knowledge and skills in mechatronics engineering technology in a wide range of applications and provide leadership in developing solutions to industrial problems.
8. Graduates with specialized background in mechatronics, design, build, test, and maintain systems for robotics and automation based industrial applications.

B. Student Outcomes

Student Outcomes – Bachelor of Science in Engineering Technology

1. Students have the ability to design solutions for comprehensive engineering problems and support in the design of discipline specific systems and processes by using advanced knowledge and skills of contemporary mathematics, science, engineering and technology.
2. Students have the ability to communicate information in written, oral, and graphical forms as well as use technical literature.
3. Students have the ability to perform experiments, analyze and interpret results using test equipment and productivity software
4. Students have the ability to work as a team to deliver results in a timely manner