

BS in ENGINEERING TECHNOLOGY - MECHATRONICS Concentration

A. Program Educational Objectives

Program Educational Objectives – Bachelor of Science in Engineering Technology Concentration in Mechatronics Engineering Technology

1. Graduates will gain productive employment in professions relating to Mechatronics Engineering Technology.
2. Graduates will further their careers by continuing their education and training, joining professional organizations, and advocating for the field of Mechatronics Engineering Technology.
3. Graduates will be effective team members and leaders while maintaining a commitment to professionalism and ethical practices in fields relating to Mechatronics Engineering Technology.

B. Student Outcomes

Student Outcomes – Bachelor of Science in Engineering Technology Concentration in Mechatronics Engineering Technology

1. an 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. an ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline;
3. an 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. an ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes; and
5. an ability to function effectively as a member as well as a leader on technical teams.