

Mechanical Engineering Technology Program

Student Learning Outcomes

Graduates of the Mechanical Engineering Technology Program will be able to demonstrate:

1: the ability to use principles of mathematics and applied science, and modern engineering techniques, skills and computer-based tools to perform technical calculations and solve technical problems commonly encountered in mechanical engineering technology careers.

2: the ability to function competently in a laboratory environment, making measurements, safely operating technical equipment, critically analyzing and interpreting experimental results, and properly reporting on experimental results, including their potential for improvement.

3: the ability to identify, formulate and apply creativity in the design of a system, component, or process to meet desired needs within realistic constraints such as economic, safety, manufacturability, scheduling, and quality.

4: the ability to communicate and function effectively, ethically and professionally with members of multi-disciplinary teams from a variety of backgrounds. Encompasses

5: the ability to identify, analyze, formulate and solve technical engineering problems by applying modern tools, including scientific calculators, computers, and appropriate software.

6: the recognition of the need for lifelong learning and continuous improvement. Encompasses