Upon graduation, the graduates of the Mechanical Engineering Technology program will be able to:

• Identify and define problems in mathematic and scientific terms

• Produce graphic representations of designs using CAD software, Solid Modeling software, and pencil and paper methods.

• Select materials and determine component sizes and shapes to meet design criteria.

• Apply instruments to make measurements and analyze data from such measurements.

• Identify typical mechanical components and explain their function.

• Apply fundamental manufacturing processes using manual and automated machine tools.

• Recognize assumptions and limits of analysis to the application of technology, including social and ethical implications.

• Select and apply power generation and power transmission components including mechanical, pneumatic, hydraulic, thermal, and electrical types.

• Recognize the need to engage in lifelong learning, and to perform research or conduct investigations to continuously upgrade knowledge and skills.

• Communicate effectively, and work as part of a team.

As approved by the Mechanical Engineering Technology Advisory Committee.