

## **Design Engineering Technology Program Level Student Learning Outcomes**

**Students completing the Design Engineering Technology Program will be able to:**

1. Create, edit and plot 2D engineering drawings using a CAD software program.
2. Create, edit and plot 3D mechanical engineering models using a CAD software program.
3. Prepare mechanical drawings.
4. Apply orthographic projections, geometric construction, and auxiliary views;
5. Create working and assembly drawings;
6. Produce parametric models and working drawings by applying accepted drafting practices.
7. Clearly and effectively make an oral presentation of designs in a drafting Environment.
8. Solve math and applied science problems required to complete design engineering tasks.
9. Freehand sketches