

CAD-Mechanical Design I

- PS 1 Students will understand the elements of an organized approach to solving an engineering design problem. ([Strand 2](#))
- PS 2 Students will form a basic design process that can be used to solve an engineering problem. ([Strand 2, Standard 1](#))
- PS 3 Students will be able to develop orthographic views of a part with the correct dimensions and geometry. ([Strand 5](#))
- PS 4 Students will be able to understand and demonstrate the use of correct line types. ([Strand 6](#))
- PS 5 Students will know and follow ANSI Y14.5 dimensioning standards and apply the appropriate dimensions to drawings. ([Strand 7](#))
- PS 6 Students will be able to understand and use 2D computer software to create technical drawings. ([Strand 8](#))