

## MANUFACTURING PRIN 2

### ***Course Description***

*The second in a sequence of courses addressing the history and operational structure of industry, Lean Manufacturing principles, product development, precision measurement, and quality management. Emphasis is placed on the interaction of process selection, strength optimization, cost, and overall quality.*

### **Strands**

1. Students will follow safety practices.
2. Students will gain an understanding of how a typical corporation is structured and how their responsibilities for various aspects of production are often organized.
3. Students will correctly interpret advanced tolerancing, including Geometric Dimensioning & Tolerancing (GD&T).
4. Students will increase their ability to both comprehend and create technical documents.
5. Students will be introduced to the basic elements of statistical process control.
6. Students will complete the requirements to earn certification from an industry recognized institution in Six Sigma and/or Lean Manufacturing.

