

## **Manufacturing Cluster**

### **Manufacturing Academy Pathway –**

**Academy of Manufacturing Science** – This major is designed for 11<sup>th</sup> and 12<sup>th</sup> students desiring an overview of the manufacturing industry to narrow their career choices. Students are introduced to lean manufacturing, mechanical/automated machinery, aircraft fabrication, fluid power and welding, electrical systems, and automation and robotics along with integrated math, safety and employability skills. Work-based experiences and a capstone course in which students create products are included, and students are required to successfully complete one of the following for credit from the Oklahoma State Department of Education: Pre-Algebra, Algebra I or II, or Geometry.