



Manufacturing Pathway

Career Field: Industrial, Manufacturing and Engineering Systems

	Freshman Year	Sophomore Year	Junior Year	Senior Year
English Language Arts Courses	English I or Pre-AP English I	English II or Pre-AP English II	English III or AP English, Language, and Composition	English IV or Concurrent Enrollment
Mathematics Courses	Algebra I or Pre-AP Geometry	Geometry or Pre-AP Algebra II	Algebra II or AP Precalculus	Additional Advanced Math or Elective
Science Courses	Physical Science or Biology	Biology or AP Biology	Chemistry or Anatomy/Physiology	Additional Lab Science or Elective
Social Studies Courses	World History or Native American Studies	Oklahoma History/ Government	US History or AP US History	Elective
Elective Options	World Language or Computers	World Language or Computers	Technology Center Program such as Machine Operator, Drafting, or Welding	
	Agriscience I	Agriscience II	Ag Power and Technology	Introduction to Agricultural Communications
	Academic Achievement: Improving Student Learning Skills	Applied Communications	ACT Prep	Critical Thinking

Personal Financial Literacy (PFL) and CPR Training must be completed prior to graduation.

Related Careers and College Majors:

- Assembler
- Welder
- Design Engineer
- Environmental Engineer
- Foundry Worker
- Freight, Stock and Material Mover
- Health and Safety Representative
- Industrial Machinery Mechanic
- Inspector
- Labor Relations Manager
- Logistician
- Manufacturing Technician
- Pattern and Model Maker
- Production Manager
- Quality Control Technician
- Safety Engineer
- Traffic Manager
- Tool and Diemaker