



Science, Technology, Engineering & Mathematics 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 Biomedical Science or Pre-Engineering	
	Academic Achievement: Improving Student Learning Skills	Applied Communications	Advanced Science Courses	Advanced Mathematics Courses
		ACT Prep	Applied Mathematics	Critical Thinking

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

Related Careers and College Majors:

- Aerospace Engineer
- Biomedical Engineer
- Microbiologist
- Software Developer
- Security Analyst
- Astronomer
- AI Specialist
- Financial Analyst
- Engineer (civil, electrical, etc.)
- Educator (math, science, etc.)
- Mechanical Engineer
- Agricultural Engineer
- Chemical Engineer
- Archaeologist