



Science,  
Technology,  
Engineering &  
Mathematics

## STEM Endorsement Engineering

Grade	Language Arts	Math	Science	Social Studies	Required CTE Courses	Potential Certification
9 <sup>th</sup>	English 1	Algebra 1	Biology or Environmental Systems	World Geography or World History	Principles of Applied Engineering	
10 <sup>th</sup>	English 2	Geometry	Biology or Approved 2nd Year Science	U. S. History		
11 <sup>th</sup>	English 3	Approved 3rd Year Math	Approved 3rd Year Science	Government Economics	Engineering Design & Presentation I	
12 <sup>th</sup>	English 4 or Approved 4th Year English	Approved 4th Year Math	Approved 4th Year Science		Engineering Design & Presentation II	OSHA

**Career & Technical Student Organizations:**

**BPA**—Business Professionals of America  
**TSA**—Technology Student Association  
**SkillsUSA**

**Dual Credit Offerings:**

English 3  
 English 4  
 U. S. Government

\*Additional dual credit courses offered at individual campuses.

**Required Electives:**

Fine Arts  
 Health  
 Speech  
 Foreign Language  
 Physical Education

**Additional Recommended Electives:**

Web Technologies (One Credit)  
 Business Information Management I (One Credit)

Sample Careers	High School	On the Job Training	Certificate	Associate's Degree	Bachelor's Degree	Advanced College Degree	Average Annual Salary	Source:
Aerospace Engineering					x		\$ 109,650	For further information on any of the careers click the career link or go to <a href="http://www.bls.org">www.bls.org</a>
Surveyors					x		\$ 59,390	
Mechanical Engineers					x		\$ 84,190	
Architects					x		\$ 76,930	
Software Developers					x		\$ 102,280	

Equal access to Career and Technical programs and activities is assured students in the Mesquite Independent School District without regard to race, color, national origin, gender, or disability.

