



Science,
Technology,
Engineering &
Mathematics

STEM Endorsement Engineering

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

