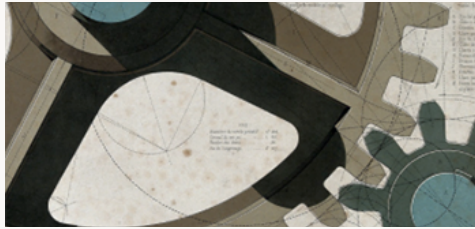


# ENGINEERING

## ENG 1 – Engineering Foundations



**9TH GRADE**  
Principles of Applied Engineering (1)

**10TH GRADE**  
Engineering Design & Presentation I (1)

**11TH GRADE**  
\*Engineering Design & Presentation II (1)  
*\*Autodesk Inventor*

**12TH GRADE**  
\*Engineering Design & Problem Solving K (1-science)  
OR  
\*Capstone - Engineering (1)  
OR  
\*Practicum in STEM (2)

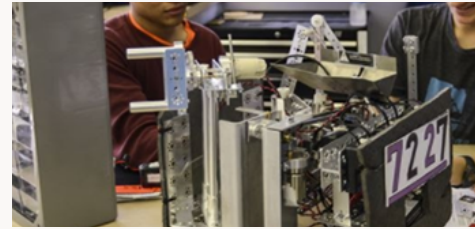
**EXAMPLE OCCUPATIONS**

**Civil Engineering Tech**  
Median Wage: \$60,297  
Annual Openings: 899  
10-Year Growth: 11%

**Aerospace Engineer**  
Median Wage: \$127,870  
Annual Openings: 429  
10-Year Growth: 18%

**Mechanical Engineer**  
Median Wage: \$103,189  
Annual Openings: 1,455  
10-Year Growth: 19%

## ENG 2 – Robotics – Engineering Focus



**9TH GRADE**  
Principles of Applied Engineering (1)

**10TH GRADE**  
Robotics I (1)

**11TH GRADE**  
\*Robotics II K (1-math)  
*\*SACA C-103 Robot System Operations*

**12TH GRADE**  
\*Engineering Design & Problem Solving K (1-science)  
OR  
\*Capstone - Engineering (1)  
OR  
\*Practicum in STEM (2)

**EXAMPLE OCCUPATIONS**

**CNC Tool Operator**  
Median Wage: \$62,156  
Annual Openings: 220  
10-Year Growth: 10%

**Aerospace Engineer**  
Median Wage: \$127,870  
Annual Openings: 429  
10-Year Growth: 18%

**Mechanical Engineer**  
Median Wage: \$103,189  
Annual Openings: 1,455  
10-Year Growth: 19%

The STEM Academy for Automation, Robotics, and Computer Science is no longer being offered as a stand-alone program of study at only one location. Students interested in that industry field should take Computer Science I - IV and either the Engineering Foundations or the Robotics Program of Study at any CFISD high school.