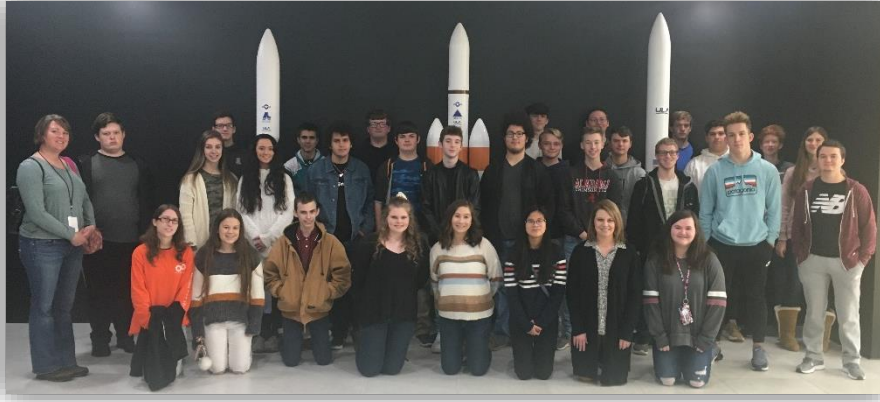


ENGINEERING



WHAT IS THIS PROGRAM ALL ABOUT?

At Cornerstone Engineering Institute, “employees” learn the responsibilities necessary to become successful engineers after college. Students start with the engineering design process, which is crucial to solving all problems an engineer will approach. What can you expect at a high school level? Students study the different disciplines of engineering and job responsibilities for each area. There are hundreds of different types of careers in engineering. We help students find the right pathway for them. You will learn 3D modeling in Solid Edge, Microsoft Excel for data analysis, and easyC programming for robotics programming.

What will I be learning?

- Foundations of Engineering
- Engineering Systems
- Application of Engineering
- Engineering Research and Design
- Introduction to Robotics
- Solid Edge 3D Modeling

Career Name	Average Salary	Education Pathway
Engineering Co-Op	\$20/hour	ATCTC Engineering Program ► High School Diploma ► Acceptance into a college engineering program ► Co-Op with engineering firm
Aerospace, Chemical, Civil, Electrical, Mechanical Engineer	\$80,000/year	ATCTC Engineering Program ► High School Diploma ► Bachelor’s Degree

UNIQUE OPPORTUNITIES:

Students learn engineering through hands-on projects at Cornerstone Engineering Institute.

They collaborate with team members to develop prototypes, solve problems, and develop better ways of accomplishing complex engineering tasks.

Students have the opportunity to train and prepare for the Associates Level I Certificate in Solid



Edge 3D Modeling, tour college engineering programs to gain insights on what to expect in the future, and visit places of employment in the region to learn more about the various engineering disciplines.



Engineering students participate in TSA and SkillsUSA Career & Technical Student Organizations.

