

GAIN REAL-WORLD SKILLS AND EXPLORE CAREERS

Learn a variety of skills while gaining experience through Core Plus Aerospace.

Among many skills, successful manufacturing depends on workers' ability to read and interpret engineering blueprints, understand the terminology used, and form an accurate mental picture of a product to be produced. These skills come into play through a variety of project-based and hands-on learning opportunities available through Core Plus Aerospace, an industry-backed high school manufacturing curriculum available in Washington high schools and skills centers.

WITH YOUR SKILLS ANY PATHWAY IS POSSIBLE

1

Opportunities after graduation:

- A job in manufacturing
- Earn and learn programs
- Certificate and degree programs

2

What kind of credits can you earn?

Depending on your district, you can earn math, science, English, Career and Technical Education (CTE), and elective credits.

Pay Scale:

Average annual salary for manufacturing workers in Washington: \$87,000

Skills you will learn:



SAFETY



MATH



**TECHNICAL
SKILLS**



More Info:

www.coreplusaerospace.org

Developed by industry, the Core Plus Aerospace curriculum includes 1,080 hours of instruction and hands-on learning opportunities that prepare Washington high school students for direct entry into high-demand manufacturing jobs, apprenticeships, and college programs. Students graduate high school with more options and a clear advantage for the future.

Core Plus Aerospace students learn to read and interpret basic blueprints and engineering drawings. The curriculum covers fundamental blueprint terminology and provides students with a working knowledge of the alphabet of lines, drawing categories and authorities, drawing symbols, various drawing views, tolerancing, dimensioning, and classes of fits. Students also get hands-on experience drawing isometric and orthographic views, and constructing a project based on a drawing.

DEVELOPING REAL-WORLD SKILLS

Among many skills, students learn to:

- Work in a team environment to apply print reading skills.
- Demonstrate knowledge of different types of sketches, prints, and drawings used in industry.
- Interpret drawings in terms of geometric elements, symbols, views, dimensions, and tolerances.

CONNECTING TO WASHINGTON STATE LEARNING STANDARDS

Among many standards covered, Core Plus Aerospace students learn to:

- Reason quantitatively and use units to solve problems.
- Visualize relationships between two- and three-dimensional objects.
- Experiment with transformations in the plane.
- Apply geometric concepts in modeling situations.
- Make inferences and justify conclusions from sample surveys, experiments, and observational studies.

EXPLORE MORE

Learn more about the curriculum and hear from Core Plus Aerospace teachers, students, and graduates employed in industry and attending college programs across Washington state.



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