

EXPLORE NEW AND EXCITING CAREERS

Learn a variety of new skills while gaining valuable experience.

A focus on core safety skills and standard operating procedures is ingrained throughout the Core Plus Aerospace curriculum, a two-year high school manufacturing curriculum available in Washington high schools and skills centers. These skills come into play in a variety of hands-on learning opportunities as students read and follow specific project plans and gain experience using various hand and power tools, such as a foot-operated metal shear, drill press, die grinder, and many more.



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 1080 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. These students graduate with real-world skills, more options and a clear advantage for the future.

Safety while using shop tools is emphasized throughout the two-year Core Plus Aerospace curriculum, which includes classroom instruction and hands-on coursework. In one sample lesson, students are given graphs which provide information on injuries and illnesses in a variety of workplaces – learning what could happen if safety protocol isn't followed. They are asked to interpret data and recommend improvements. In another example, students get hands-on practice with shop tools creating a project based on a blueprint drawing.

DEVELOPING REAL-WORLD SKILLS

Among many skills, students learn to:

- Demonstrate a positive safety attitude by complying with all safety and environmental requirements.
- Demonstrate understanding of LEAN practices using good industrial housekeeping practices.
- Identify the government, environmental and industrial regulatory agencies that govern the workplace.
- Demonstrate safe practices in the manufacturing (or shop) environment.
- Practice using appropriate and precise units in the manufacturing (or shop) environment.

CONNECTING TO WASHINGTON STATE LEARNING STANDARDS

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

- Make inferences and justify conclusions from sample surveys, experiments and observational studies; explain how randomization relates to each.
- Reason quantitatively and use units to solve problems.
- Visualize relationships between two-dimensional and three-dimensional objects.

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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