

LAUNCHING CORE PLUS AEROSPACE AND ADVANCED MANUFACTURING IN YOUR SCHOOL OR DISTRICT

Core Plus Aerospace is a two-year high school manufacturing curriculum that prepares students for high-demand jobs through hands-on learning. More than 50 Washington high schools and skills centers are offering programs utilizing this curriculum and working to meet the demand for high-quality, hands-on student learning opportunities that lead to rewarding careers.

HELPING STUDENTS EXPLORE AND PREPARE FOR CAREERS WHILE STILL IN HIGH SCHOOL

Developed and supported by industry leaders like Boeing, the Core Plus Aerospace and advanced manufacturing curriculum includes 1,080 hours of total instruction that provide students with a foundation in manufacturing. Students also learn universal skills such as time management, problem solving, and team building.

PROVIDING OPTIONS AND A PATHWAY TO GRADUATION

The Office of Superintendent of Public Instruction has approved statewide course equivalencies in English, science, and third-year math, so that Core Plus Aerospace and advanced manufacturing students can earn the credits they need for graduation and the next steps on their education-to-career pathways. The Washington State Legislature reinforced its support for Core Plus in 2019, explicitly approving it as one of multiple Graduation Pathways.

Core Plus Aerospace and advanced manufacturing students graduate with a clear advantage when applying for jobs in manufacturing, pursuing apprenticeships, and entering certificate and degree programs in fields like avionics, applied science, engineering, mechatronics, and more.

PARENTS OF STUDENTS AGES 10-18 IN WASHINGTON OVERWHELMINGLY SUPPORT CORE PLUS AEROSPACE AND ADVANCED MANUFACTURING*

- 96% feel favorably towards the program after hearing a brief description of the curriculum
- 78% believe Washington should expand the program so it's offered in more high schools across the state
- 74% would like their child to consider taking Core Plus Aerospace and Advanced Manufacturing courses

** Strategies 360 conducted a survey in March 2020 of WA voters, including an oversample of parents of students ages 10-18 (n266)*

Did you know?

- \$96,000 is the average annual compensation for manufacturing workers in Washington state
- 4 million manufacturing jobs are projected to be open in the United States by 2030
- There are 265,000 manufacturing workers in Washington state, and an increasingly large percentage of the state's manufacturing workforce is becoming retirement eligible, opening the door to the next generation of manufacturing employees.



HOW TO BRING CORE PLUS AEROSPACE AND ADVANCED MANUFACTURING TO YOUR SCHOOL OR DISTRICT

ACCESS THE FREE CURRICULUM

Boeing invested over \$750,000 to develop the Core Plus Aerospace curriculum, and it is available to educators online, free of charge. The curriculum is reviewed and updated by industry and education experts regularly.

GRANT OPPORTUNITIES

There are multiple grant opportunities available to support start-up costs, expansion and maintenance of established programs, and professional development.

The Washington State Legislature continues to underscore its support for Core Plus having approved it as one of multiple pathways to graduation and allocating \$900,000 to be distributed each year via competitive grants to start, maintain and expand Core Plus Aerospace programs.

The money can be used to support or create a Core Plus program of study. This includes purchasing supplies, tools, equipment, and professional development. Funds can also be used to pay for substitutes while teachers are in training.

PROFESSIONAL DEVELOPMENT

There are professional development sessions for teachers throughout the year for Core Plus Aerospace. Instructors have opportunities to familiarize themselves with the curriculum, interact with peers, get hands-on training and earn clock hours.

“My advanced manufacturing classes, and specifically the Core Plus Aerospace curriculum, opened my eyes to what I can do. I know where I’m headed. My future is solid. I hope more students get the opportunity to participate in programs like the one at Lindbergh and that they too can graduate confident and ready for takeoff.”

Moyaak “MuMu” Chuol, Lindbergh High School, Class of 2019 and current Boeing 737 program employee.

RESOURCES TO GET STARTED

- Contact the CTE staff at OSPI (careerandcollegeready@k12.wa.us) to get access to the curriculum, enroll in professional development, apply for grants, and get your questions answered as you explore this curriculum.
- Boeing’s Washington state workforce development team is here to help. Contact workdev@exchange.boeing.com to discuss partnerships with industry as well as grant opportunities, internships, and hiring events.

MULTIPLE PATHWAYS TO OFFER CORE PLUS AEROSPACE

Core Plus Aerospace allows flexibility for school districts in developing a sequence of coursework, through a skills center or comprehensive high school model, that prepares students for entry into manufacturing jobs and postsecondary programs.

