



CORE PLUS AEROSPACE PROGRAM SPOTLIGHT:

SUMNER-BONNEY LAKE SCHOOL DISTRICT

The [Sumner-Bonney Lake School District](#) serves over 10,600 students, including 3,500 at Sumner High School and Bonney Lake High School, and the Elhi Hill High School Program. The district features a robust [Career and Technical Education \(CTE\) program](#) with course offerings across 16 Career Clusters, and representing 79 Career Pathways.

To meet growing demand for manufacturing talent and students' desire for hands-on learning, the district offers [Core Plus Aerospace](#) advanced manufacturing coursework at its comprehensive high schools. The hands-on coursework replicates what's done in industry. Students use the same Bosch racks as Boeing and have access to aerospace

HIGH SCHOOL MANUFACTURING PATHWAYS

Core Plus Aerospace Manufacturing

<p>Core Plus Aerospace I Core Plus Certificate Open to grades 9-12 ● ● DC</p>	<p>Core Plus Aerospace II Core Plus Certificate/ OSHA 10 Open to grades 9-12 ● DC</p>	<p>Core Plus Aerospace III Core Plus Certificate Open to grades 11 and 12 ● DC</p>	<p>● SUMNER HS ● BONNEY LAKE HS DC DUAL CREDIT</p>
<p>Aerospace Manufacturing and Engineering</p>			
<p>Intro to Engineering and Design Autodesk Certified User Open to: grades 9-12 ● ● DC</p>	<p>Core Plus Aerospace I Core Plus Certificate Open to: grades 9-12 ● ● DC</p>	<p>Core Plus Aerospace II Core Plus Certificate/ OSHA 10 Open to grades 9-12 ● DC</p>	<p>Core Plus Aerospace III Core Plus Certificate Open to grades 11 and 12 ● DC</p>

assembler tool kits, simulators for pneumatics, hydraulics, AC/DC electricity, welding, and forklift driving, and more. Students get experience, skills, and knowledge in industry-relevant areas and can earn the OSHA 10 and Core Plus Aerospace certificates.

Many graduates go on to work at The Boeing Company and in

other fields like construction while others lean into the engineering side and attend college to pursue those careers.

Students are taught, supported, and guided directly to high-pay, high-demand careers and graduate with concrete goals, connections, and qualifications for their next steps.

BY THE NUMBERS

Core Plus Aerospace I:

- Year-long foundational course covering basic skills in manufacturing, maritime, construction, and engineering.
- Students learn computer-aided design, aerospace composites, aerospace machining, mariner technology, metal fabrication, principles of engineering, and construction.
- Curriculum emphasizes safety, standard operating procedures, material science, shop tool usage, precision measurement, critical thinking, applied mathematics, print reading, drilling, and riveting.
- Students can earn a lab science and CTE dual-credit option.

Core Plus Aerospace II:

- Year-long advanced manufacturing course focusing on key skills such as drilling, fastener usage, riveting, cutting, grinding, safety, bending, lean manufacturing, hydraulics, pneumatics, basic electrical, sealing, and soldering.
- Equips students with practical skills that enhance their prospects for well-paying manufacturing careers, apprenticeships, post-high school certificates, and college degrees.
- Students have CTE dual-credit opportunities.

2

PROGRAMS

The Sumner High School program launched in 2021. The program at Bonney Lake High School launched in 2023.

158

CORE PLUS AEROSPACE STUDENTS

enrolled in 2023-24.

6

CORE PLUS AEROSPACE BOEING MANUFACTURING INTERNS

total from 2022 and 2023

7

students competed at the SkillsUSA Manufacturing Assembler Competition in 2023.

\$58,579

in state grants used to build out or support Core Plus Aerospace programs at Sumner and Bonney Lake High Schools.

30+

GRADUATES HIRED BY BOEING SINCE 2021

TESTIMONIALS

“As a district, our aim is to bridge the gap between academics and careers, and Core Plus Aerospace aligns with that objective by leading students toward high-demand, high-wage careers.”

AARON TOMYN

CTE Director at the Sumner-Boney Lake School District

“In students pursuing this pathway, I see dedicated individuals who are ready for positions in manufacturing. They emerge with a rich blend of skills, knowledge, and hands-on experience relevant to manufacturing. Their commitment prepares them for success and positions them as future contributors in the dynamic field of aerospace manufacturing.”

TRISHA FRY

Core Plus Aerospace Instructor at Sumner High School

“The Core Plus Aerospace program at Sumner-Bonney Lake School District helps bring out the best in students. Their students are knowledgeable, highly-capable, and ready to work, thanks to hands-on training in the skills that Boeing and the advanced manufacturing industry requires.”

KRISTINA YOUNG

Academic Pipelines Lead for the Boeing Workforce Development Team

“Core Plus Aerospace was an amazing class. I loved the hands-on experience, and my instructor Ms. Fry was amazing. She really prepared me for the future and for a career at Boeing.”

BRAYDEN TERRY

In-Tank Mechanic at The Boeing Company
2023 GRADUATE OF SUMNER HIGH SCHOOL



EXPANDED OPPORTUNITIES

Dual Credit: The District articulates with Renton Technical College (Machining Essentials and Introduction to Assembly) and Clover Park Technical College (MACH 119 Blueprint Reading II and Statistical process control).

Work-Based Learning: High school students are encouraged to apply for the paid [Core Plus Aerospace Manufacturing Internship](#) hosted by Boeing. The summer internship provides hands-on manufacturing training and skills development, job shadowing, a team innovation challenge, employability skills training, and career preparation.

Postsecondary Opportunities: 120+ [community and technical college programs](#) provide opportunities for high school graduates to build on skills gained through Core Plus Aerospace. Sumner-Bonney Lake partners closely with [Clover Park Technical College](#) and [Bates Technical College](#) to provide CTE dual credit for Core Plus Aerospace I/II.



Early Career Options: Sumner HS students who complete the Core Plus Aerospace I/II sequence are eligible for the [Boeing Pre-Employment Training Program \(BPET\)](#). This allows them to skip the interview and move directly to the job offer stage for certain entry-level positions. Once employed, they will have multiple opportunities for upskilling and access to Boeing's Learning Together program, which helps pay for college.

CORE PLUS AEROSPACE STUDENT DEMOGRAPHIC INFORMATION

	23-24	22-23	21-22
Sumner HS	127	120	75
Male	108	111	70
Female	20	9	5
Students w/ Disabilities	29	12	4
Bilingual	9	2	1
Hispanic	32	17	13
Non-Hispanic	64	83	52
American Indian	3	1	0
Multirace	18	12	6
Asian	5	5	2
African American	2	1	2
Samoan	2	1	0
Not reported	1	0	0

	23-24	22-23	21-22
Bonney Lake HS*	29	-	-
Male	26	-	-
Female	3	-	-
Students w/ Disabilities	4	-	-
Bilingual	1	-	-
Hispanic	6	-	-
Non-Hispanic	18	-	-
American Indian	-	-	-
Multirace	2	-	-
Asian	3	-	-
African American	-	-	-
Samoan	-	-	-
Not reported	-	-	-

* 23-24 school year is the first year of Core Plus Aerospace at Bonney Lake HS