

AEROSPACE IN WASHINGTON



Total Economic Impacts, 2018



\$94.4B

TOTAL REVENUE



224,000

TOTAL JOBS



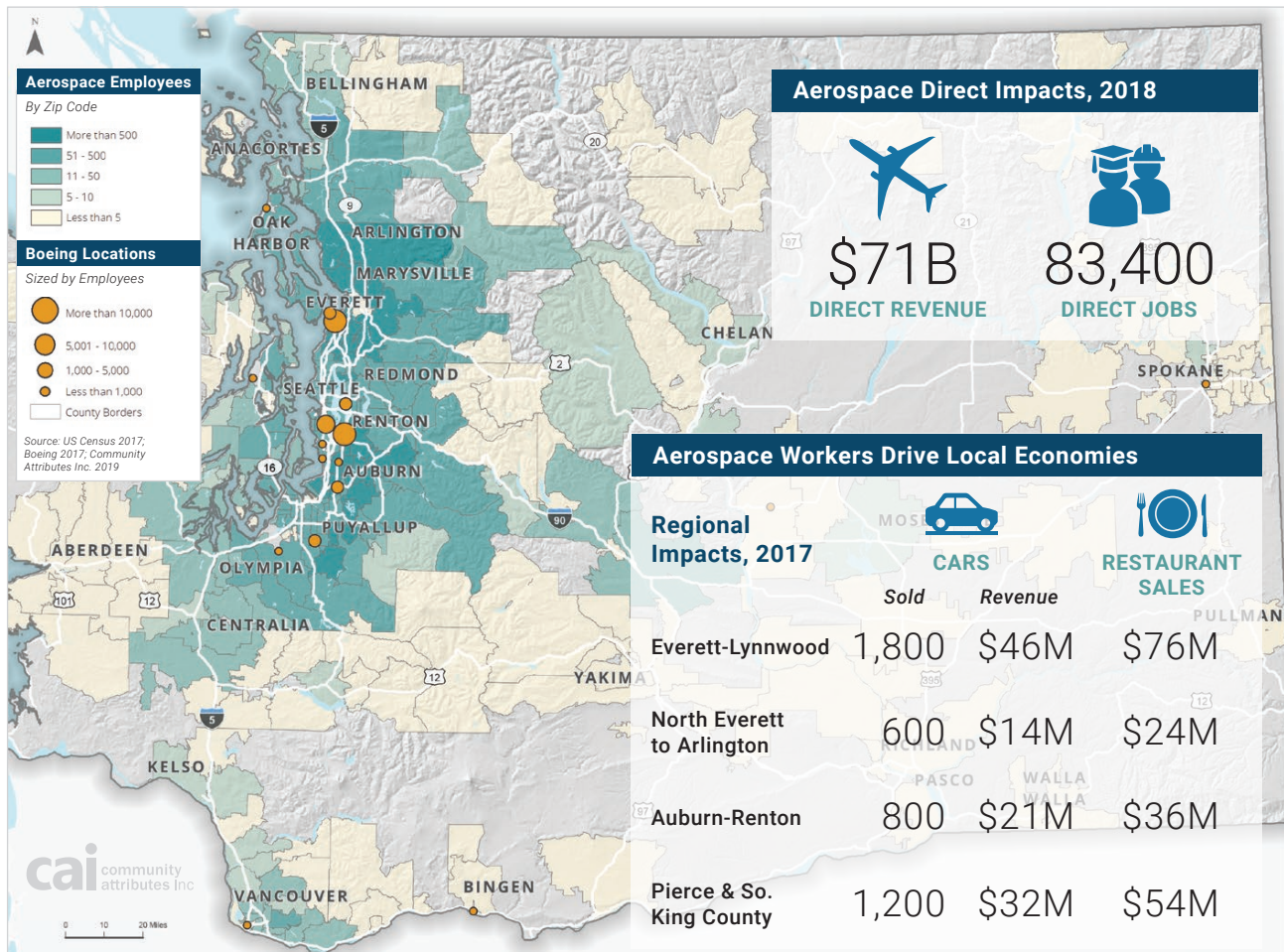
\$20.5B

TOTAL COMPENSATION



10%

OF STATEWIDE ECONOMY



Aerospace Hiring Needs Outpace Talent Supply Pipelines

Projected Workforce Supply & Demand, 2021-2026



2,600

CORE AEROSPACE OCCUPATION WORKER SHORTAGE



22%

OF ANNUAL OPENINGS FILLED BY WASHINGTON PIPELINE



39

CORE AEROSPACE OCCUPATIONS Projected to Experience Undersupply of Workers Annually

Sources: Office of Financial Management, 2019; Washington State Employment Security Department, 2019; Washington State Department of Revenue, 2019; Bureau of Labor Statistics, 2019; National Center for Education Statistics' Integrated Postsecondary Education System, 2018; U.S. Bureau of Economic Analysis, 2018; Community Attributes Inc., 2019.

WASHINGTON AEROSPACE PIPELINE



Annual Average Demand & Supply

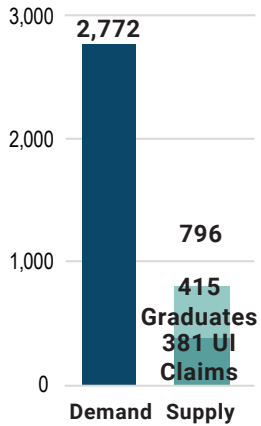
Occupation

Employment 2016 2026 CAGR

Annual Demand and Supply, 2021-2026

On-the-Job Training

ALL OCCUPATIONS BY EDUCATION



Rank	Occupation	2016	2026	CAGR	D	S	Scale 0-1,200 annual openings in sector	Gap
1	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	12,166	10,664	-1.3%	1,031	231	1,031	(800)
2	Inspectors, Testers, Sorters, Samplers and Weighers	12,042	12,020	0.0%	507	100	507	(407)
3	Production, Planning & Expediting Clerks	10,449	11,325	0.8%	255	27	255	(228)
4	Machinists	10,700	11,090	0.4%	225	40	225	(185)

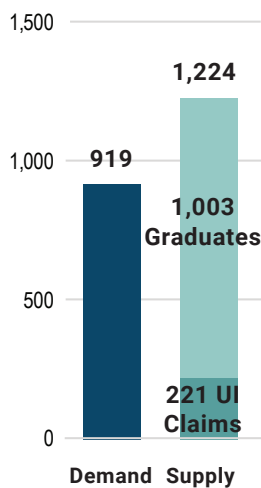
Many jobs in high demand require on-the-job training.

Candidates can gain the skills they need for hire through high school programs and skills centers, in many cases.

Formal apprenticeship programs are captured as employees and on-the-job training.

Associate Degree or Postsecondary Award

ALL OCCUPATIONS BY EDUCATION



Rank	Occupation	2016	2026	CAGR	D	S	Scale 0-800 annual openings in sector	Gap
1	Aircraft Mechanics and Service Technicians	5,561	5,543	-0.4%	257	201	257	(56)
2	First-Line Supervisors of Production and Operating Workers	15,198	16,012	0.5%	190	26	190	(164)
3	Avionics Technicians	2,466	2,398	-0.3%	144	36	144	(108)
4	Industrial Engineering Technicians	2,185	2,016	-0.8%	118	630	118	512
5	Mechanical Drafters	2,231	2,215	-0.1%	91	95	91	4

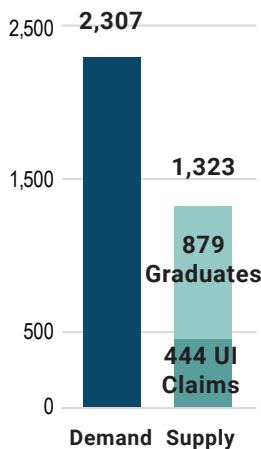
Washington graduates with an AA exceed demand among occupations that require an AA degree and may fill openings shown above in on-the-job training.

Jobs that require an Associate degree often attract candidates with a Bachelor's degree, increasing the competition for prospective hires.

Region community colleges offer programs designed to address these occupations specifically.

Bachelor's Degree

ALL OCCUPATIONS BY EDUCATION



Rank	Occupation	2016	2026	CAGR	D	S	Scale 0-500 annual openings in sector	Gap
1	Logisticians	6,498	6,587	0.1%	399	44	399	(355)
2	Industrial Engineers	7,719	8,461	0.9%	330	26	330	(304)
3	Aerospace Engineers	6,816	6,194	-1.0%	274	319	274	45
4	Purchasing Agents, Except Wholesale, Retail and Farm Production	9,306	9,603	0.3%	245	18	245	(227)
5	Software Developers, Systems Software	15,674	20,972	3.0%	176	48	176	(128)

Employers seeking to fill occupations that require a higher education credential compete with other industries for the same highly trained labor.

Anticipated openings exceed the annual supply of Washington's colleges and universities, in most instances.