

# KING COUNTY AEROSPACE TALENT PIPELINE

**DRAFT**

## On-the-Job Training

Annual Average Demand and Supply All Occupations by Education	Occupation Ranked by Annual Openings (2018-2023)	Employment		CAGR 2013-2023	Annual Demand and Supply, 2018-2023		
		2013	2023		Scale: 0 - 95 annual openings in sector	Gap	
	1 Aircraft structure, surfaces, rigging, and systems assemblers	3,571	3,653	0.2%	Demand	79	(69)
	2 Inspectors, testers, sorters, samplers, and weighers	4,080	4,542	1.1%	Demand	55	(14)
	3 Purchasing agents, except wholesale, retail, and farm products	4,740	5,305	1.1%	Demand	47	(38)
	4 Machinists	3,252	3,812	1.6%	Demand	47	(15)
	5 Industrial machinery mechanics	1,722	2,094	2.0%	Demand	27	(22)
	6 Computer-controlled machine tool operators, metal and plastic	1,006	1,001	0.0%	Demand	17	1
	7 Painters, transportation equipment	1,016	1,037	0.2%	Demand	8	10
	8 Multiple machine tool setters, operators, and tenders, metal and	640	646	0.1%	Demand	7	1
	9 Computer numerically controlled machine tool programmers, metal and	218	221	0.1%	Demand	7	(6)
	10 Commercial pilots	476	519	0.9%	Demand	6	21
	11 Metal workers and plastic workers, all other	179	234	2.7%	Demand	4	2
	12 Grinding and polishing workers, hand	386	378	-0.2%	Demand	4	(2)
	13 Crane and tower operators	402	510	2.4%	Demand	4	(1)
	14 Grinding, lapping, polishing, and buffing machine tool setters,	493	528	0.7%	Demand	4	3

## Associate's Degree or Postsecondary Award

Annual Average Demand and Supply All Occupations by Education	Occupation Ranked by Annual Openings (2018-2023)	Employment		CAGR 2013-2023	Annual Demand and Supply, 2018-2023		
		2013	2023		Scale: 0 - 156 annual openings in sector	Gap	
	1 Industrial engineering technicians	1,064	1,058	-0.1%	Demand	18	112
	2 First-line supervisors of production and operating workers	4,137	4,472	0.8%	Demand	15	(3)
	3 Mechanical drafters	934	996	0.6%	Demand	11	46
	4 Aircraft mechanics and service technicians	1,310	1,287	-0.2%	Demand	9	(3)
	5 Avionics technicians	931	838	-1.0%	Demand	9	(4)
	6 Aerospace engineering and operations technicians	535	532	-0.1%	Demand	8	(3)

## Bachelor's Degree

Annual Average Demand and Supply All Occupations by Education	Occupation Ranked by Annual Openings (2018-2023)	Employment		CAGR 2013-2023	Annual Demand and Supply, 2018-2023		
		2013	2023		Scale: 0 - 162 annual openings in sector	Gap	
	1 Computer systems analysts	11,311	15,459	3.2%	Demand	135	(113)
	2 Industrial engineers	3,175	3,289	0.4%	Demand	77	(67)
	3 Aerospace engineers	2,942	2,899	-0.1%	Demand	65	61
	4 Computer network architects	2,611	3,027	1.5%	Demand	38	25
	5 Budget analysts	1,162	1,247	0.7%	Demand	37	20
	6 Mechanical engineers	2,472	2,846	1.4%	Demand	34	(19)
	7 Logisticians	2,730	2,673	-0.2%	Demand	30	(17)
	8 Electrical engineers	2,521	2,963	1.6%	Demand	28	(12)
	9 Operations research analysts	1,305	1,546	1.7%	Demand	25	(14)
	10 Engineers, all other	2,039	2,356	1.5%	Demand	23	(13)

## KING COUNTY AEROSPACE OCCUPATION DETAIL

Educational Attainment	Occupation	Employment in Aerospace	Median Wage	Final Talent Gap	CAGR (2013-2023)
Bachelor's Degree	Computer systems analysts	2,289	\$95,810	(113)	3.2%
On-the-Job Training	Aircraft structure, surfaces, rigging, and systems assemblers	3,564	*	(69)	0.2%
Bachelor's Degree	Industrial engineers	2,117	*	(67)	0.4%
On-the-Job Training	Purchasing agents, except wholesale, retail, and farm products	1,516	\$70,570	(38)	1.1%
On-the-Job Training	Industrial machinery mechanics	488	\$58,180	(22)	2.0%
Bachelor's Degree	Training and development specialists	515	\$68,410	(20)	1.4%
Bachelor's Degree	Mechanical engineers	634	\$91,350	(19)	1.4%
Bachelor's Degree	Logisticians	2,080	*	(17)	(0.2%)
On-the-Job Training	Machinists	1,182	\$46,950	(15)	1.6%
Bachelor's Degree	Operations research analysts	509	\$88,890	(14)	1.7%
On-the-Job Training	Inspectors, testers, sorters, samplers, and weighers	1,543	\$53,470	(14)	1.1%
Bachelor's Degree	Engineers, all other	589	\$83,540	(13)	1.5%
Bachelor's Degree	Electrical engineers	626	\$103,100	(12)	1.6%
Bachelor's Degree	Materials engineers	579	*	(10)	(0.1%)
Bachelor's Degree	Database administrators	340	\$97,870	(9)	2.6%
On-the-Job Training	Computer numerically controlled machine tool programmers, metal and plastic	179	\$88,550	(6)	0.1%
Bachelor's Degree	Electronics engineers, except computer	236	\$108,100	(5)	1.7%
Associate's Degree	Avionics technicians	838	*	(4)	(1.0%)
Bachelor's Degree	Materials scientists	161	*	(4)	(0.3%)
Associate's Degree	Aerospace engineering and operations technicians	413	*	(3)	(0.1%)
Associate's Degree	Aircraft mechanics and service technicians	361	*	(3)	(0.2%)
Associate's Degree	First-line supervisors of production and operating workers	691	\$68,680	(3)	0.8%
Associate's Degree	Electrical and electronics repairers, commercial and industrial equipment	196	\$69,570	(2)	0.7%
On-the-Job Training	Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	174	\$29,350	(2)	0.8%
On-the-Job Training	Grinding and polishing workers, hand	157	\$30,050	(2)	(0.2%)
Associate's Degree	Electro-mechanical technicians	92	*	(1)	(0.7%)
Associate's Degree	Environmental engineering technicians	24	\$66,440	(1)	2.6%
On-the-Job Training	Fiberglass laminators and fabricators	202	\$29,040	(1)	(1.4%)
On-the-Job Training	Crane and tower operators	68	\$78,690	(1)	2.4%
On-the-Job Training	Explosives workers, ordnance handling experts, and blasters	30	*	(1)	(0.9%)
Associate's Degree	Mechanical engineering technicians	66	\$63,620	0	1.1%
On-the-Job Training	Private detectives and investigators	79	\$45,630	0	0.8%
On-the-Job Training	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	194	\$36,510	1	1.0%
On-the-Job Training	Heat treating equipment setters, operators, and tenders, metal and plastic	35	\$37,110	1	1.1%
On-the-Job Training	Tool and die makers	282	*	1	(0.5%)
Associate's Degree	Electric motor, power tool, and related repairers	122	\$61,660	1	0.4%
On-the-Job Training	Lathe and turning machine tool setters, operators, and tenders, metal and plastic	35	\$36,040	1	0.3%
On-the-Job Training	Computer-controlled machine tool operators, metal and plastic	475	*	1	0.0%
On-the-Job Training	Multiple machine tool setters, operators, and tenders, metal and plastic	317	\$35,560	1	0.1%
On-the-Job Training	Metal workers and plastic workers, all other	92	\$29,450	2	2.7%
On-the-Job Training	Tool grinders, filers, and sharpeners	88	\$61,670	2	(0.5%)
Associate's Degree	Engineering technicians, except drafters, all other	110	\$70,640	2	0.7%
On-the-Job Training	Metal-refining furnace operators and tenders	8	\$36,780	3	1.7%
On-the-Job Training	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	146	\$34,250	3	0.7%
On-the-Job Training	Layout workers, metal and plastic	53	\$59,860	3	0.3%
On-the-Job Training	Milling and planing machine setters, operators, and tenders, metal and plastic	103	*	8	(0.7%)
On-the-Job Training	Painters, transportation equipment	383	\$51,310	10	0.2%
Bachelor's Degree	Information security analysts	225	\$101,870	12	2.1%
Bachelor's Degree	Budget analysts	689	\$75,900	20	0.7%
On-the-Job Training	Commercial pilots	157	\$96,060	21	0.9%
Master's Degree	Mathematicians	90	*	23	(0.6%)
Bachelor's Degree	Computer network architects	1,031	\$113,780	25	1.5%
Associate's Degree	Electrical and electronics drafters	188	*	28	1.0%
On-the-Job Training	Welding, soldering, and brazing machine setters, operators, and tenders	29	\$35,780	44	1.4%
Bachelor's Degree	Industrial production managers	230	\$107,100	46	0.6%
Associate's Degree	Mechanical drafters	515	\$76,170	46	0.6%
Bachelor's Degree	Aerospace engineers	2,053	*	61	(0.1%)
Bachelor's Degree	Architectural and engineering managers	398	\$143,070	100	1.3%
Associate's Degree	Industrial engineering technicians	782	*	112	(0.1%)