



Advanced Manufacturing

2018 - 2023

This industry in Pierce County is projected to grow **0.8% annually**

OVERVIEW

Pierce County is part of a four-county region with a thriving advanced manufacturing industry, including aerospace, computer equipment and ship building. Although employers report having plenty of applicants for open positions, there is a high dropout rate among these applicants. Basic math and soft skills seem to be the biggest obstacle to finding qualified candidates.

As a whole, the industry would benefit from assistance in establishing stronger relationships with educational institutions that can supply qualified graduates. While many employers willingly train employees internally, they risk losing their investment when the trained worker leaves for other jobs either within the industry or in competing industries like construction.

Employers find online job boards difficult to work with and inefficient in producing qualified applicants for their open positions. They prefer working directly with workforce programs that recruit candidates and provide training in soft skills, language skills and GED attainment. Pierce County employers also benefit by having access to qualified transitioning military and military families from JBLM.



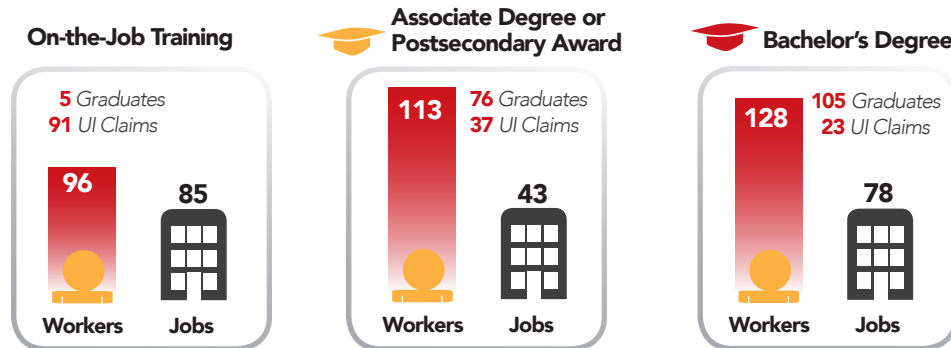
Median Annual Wage
\$23,510 - \$143,070



2018 - 2023

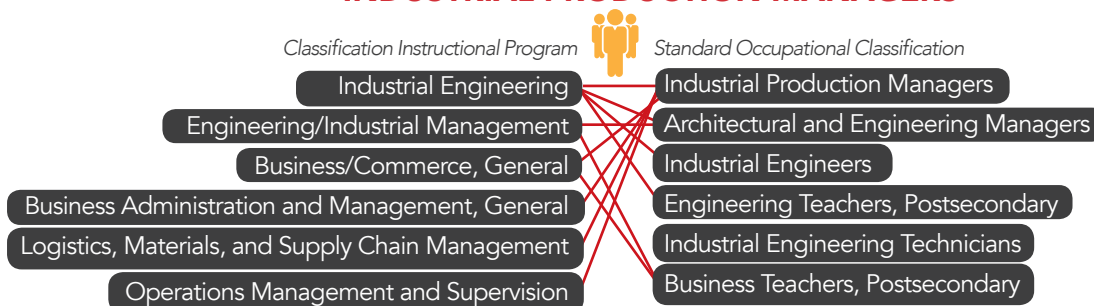
Projected Talent Supply
Unemployed: 241
Newly-Trained: 74

2018 - 2023 PROJECTIONS FOR THE PIERCE COUNTY ADVANCED MANUFACTURING TALENT PIPELINE



This chart outlines the annual estimate of workers and job openings by education level in Pierce County.

MATCHES FOR GRADUATES QUALIFIED TO WORK AS INDUSTRIAL PRODUCTION MANAGERS



Qualifications and experience in one occupation may translate into opportunities in another. This is one way employers and employees manage talent surpluses and shortages.





Advanced Manufacturing Talent Pipeline



On-the-Job Training

Annual Average Demand and Supply All Occupations by Education		Occupation	Employment		CAGR	Annual Demand and Supply, 2018-2023		
		Ranked by Annual Openings (2018-2023)	2013	2023	2013-2023	Scale: 0 - 39 annual openings in sector		
		1 Machinists	649	677	0.4%	Demand 11	Supply 27	16
		2 Inspectors, Testers, Sorters, Samplers, and Weighers	783	849	0.8%	Demand 9	Supply 13	3
		3 Industrial Machinery Mechanics	798	983	2.1%	Demand 7	Supply 2	(5)
		4 Ophthalmic Laboratory Technicians	112	124	1.0%	Demand 6	Supply 0	(6)
		5 Petroleum Pump System Operators, Refinery Operators, and Gaugers	89	99	1.1%	Demand 5	Supply 0	(5)
		6 Structural Metal Fabricators and Fitters	170	209	2.1%	Demand 4	Supply 2	(2)
		7 Team Assemblers	705	805	1.3%	Demand 4	Supply 0	(4)
		8 Computer-Controlled Machine Tool Operators, Metal and Plastic	300	261	-1.4%	Demand 4	Supply 21	16
		9 Welders, Cutters, Solderers, and Brazers	391	456	1.5%	Demand 4	Supply 28	24
		10 Grinding and Polishing Workers, Hand	159	149	-0.6%	Demand 3	Supply 5	2
		11 Dental Laboratory Technicians	64	69	0.8%	Demand 3	Supply 4	2
		12 Production, Planning, and Expediting Clerks	491	596	2.0%	Demand 3	Supply 4	1
		13 Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	443	395	-1.1%	Demand 2	Supply 6	4
		14 Helpers--Production Workers	510	572	1.2%	Demand 2	Supply 33	31
		15 Assemblers and Fabricators, All Other	317	396	2.3%	Demand 2	Supply 6	5
		16 Purchasing Agents, Except Wholesale, Retail, and Farm Products	485	544	1.2%	Demand 2	Supply 1	(1)
		17 Production Workers, All Other	313	350	1.1%	Demand 2	Supply 7	6

Associate Degree or Postsecondary Award

Annual Average Demand and Supply All Occupations by Education		Occupation	Employment		CAGR	Annual Demand and Supply, 2018-2023		
		Ranked by Annual Openings (2018-2023)	2013	2023	2013-2023	Scale: 0 - 17 annual openings in sector		
		1 First-Line Supervisors of Production and Operating Workers	982	1,080	1.0%	Demand 5	Supply 14	9
		2 Electrical and Electronics Engineering Technicians	202	209	0.3%	Demand 2	Supply 8	6
		3 Mechanical Drafters	117	139	1.7%	Demand 1	Supply 0	(1)
		4 Electric Motor, Power Tool, and Related Repairers	84	82	-0.2%	Demand 0	Supply 2	2

Bachelor's Degree

Annual Average Demand and Supply All Occupations by Education		Occupation	Employment		CAGR	Annual Demand and Supply, 2018-2023		
		Ranked by Annual Openings (2018-2023)	2013	2023	2013-2023	Scale: 0 - 16 annual openings in sector		
		1 Computer Hardware Engineers	161	153	-0.5%	Demand 6	Supply 4	(2)
		2 Industrial Engineers	232	241	0.4%	Demand 6	Supply 0	(6)
		3 Mechanical Engineers	227	251	1.0%	Demand 6	Supply 5	(0)
		4 Software Developers, Systems Software	204	219	0.7%	Demand 3	Supply 2	(1)
		5 Architectural and Engineering Managers	215	253	1.6%	Demand 3	Supply 1	(2)
		6 Computer and Information Systems Managers	294	356	1.9%	Demand 2	Supply 13	12
		7 Electronics Engineers, Except Computer	72	77	0.7%	Demand 2	Supply 0	(1)
		8 Logisticians	476	476	0.0%	Demand 2	Supply 3	1
		9 Industrial Production Managers	210	227	0.8%	Demand 2	Supply 11	10