



# ICT & Cybersecurity

2018 - 2023

This industry in Pierce County is projected to grow

# 1.8% annually

## OVERVIEW

Though small compared to King County, the ICT and cybersecurity industry has a growing presence in Pierce County. Employers find it easy to fill entry-level positions but difficult to fill mid- to senior-level positions. Additionally, employers note that educational programs with similar names are not always consistent in learning outcomes or rigor, confusing students, jobseekers and hiring managers.

Cybersecurity occupations, and information security analysts in particular, are projected to see the strongest growth through 2023. As more businesses put their information online, demand is increasing for workers with the skills to protect their information. It can be difficult to find qualified applicants, however, because cybersecurity jobs require a high capacity for critical thinking to counter ever-evolving security threats.

Wages in ICT and cybersecurity tend to be higher than the regional average. Local employers compete with King County employers who offer higher pay and "brand name" opportunities for advancement. Additionally, employers face increasing competition from virtually all other industries as information technology grows more integral to the modern economy.



**Median Annual Wage**  
**\$26,870 - \$143,000**

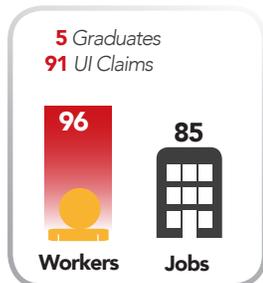


2018 - 2023

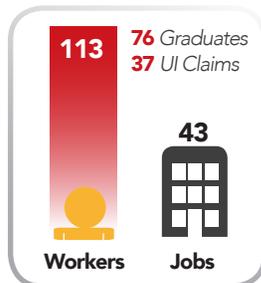
**Projected Talent Supply**  
**Unemployed: 151**  
**Newly-Trained: 186**

## PIERCE COUNTY ICT & CYBERSECURITY TALENT PIPELINE

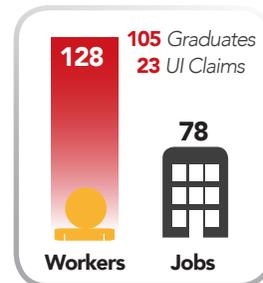
### On-the-Job Training



### Associate Degree or Postsecondary Award

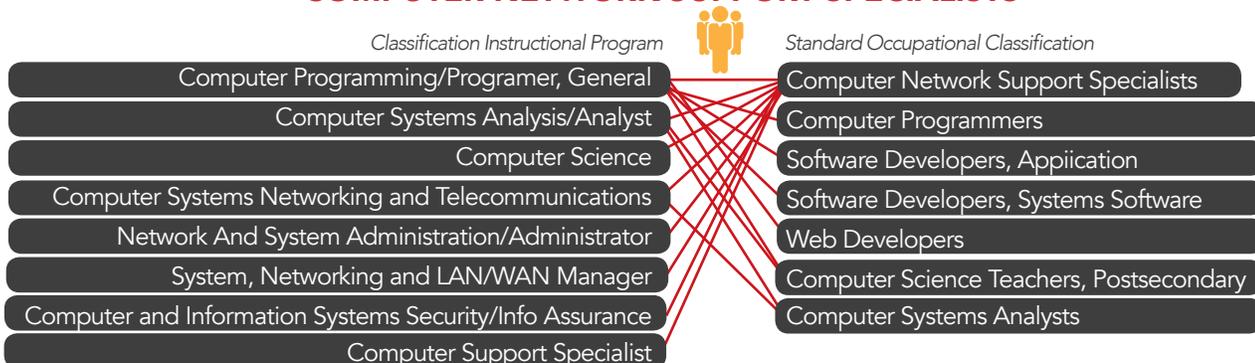


### Bachelor's Degree



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

## MATCHES FOR GRADUATES QUALIFIED TO WORK AS COMPUTER NETWORK SUPPORT SPECIALISTS



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





## 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 - 60 annual openings in sector	Gap	
	1 Customer Service Representatives	3,904	4,903	2.3%	Demand 43	Supply 50	7
	2 Sales Representatives, Services, All Other	1,302	1,628	2.3%	Demand 10	Supply 22	12
	3 Computer User Support Specialists	774	992	2.5%	Demand 8	Supply 1	(7)
	4 Bill and Account Collectors	257	322	2.3%	Demand 5	Supply 12	7
	5 Telemarketers	154	283	6.3%	Demand 5	Supply 3	(2)
	6 Computer, Automated Teller, and Office Machine Repairers	171	209	2.0%	Demand 4	Supply 2	(2)
	7 Order Clerks	524	654	2.2%	Demand 4	Supply 1	(3)
	8 Telephone Operators	37	51	3.3%	Demand 3	Supply 0	(3)
	9 First-Line Supervisors of Non-Retail Sales Workers	582	687	1.7%	Demand 2	Supply 1	(1)

## Associate 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 - 70 annual openings in sector	Gap	
	1 Medical Transcriptionists	357	448	2.3%	Demand 11	Supply 4	(7)
	2 Telecommunications Equipment Installers and Repairers, Except Line	380	439	1.5%	Demand 9	Supply 29	20
	3 Web Developers	308	409	2.9%	Demand 8	Supply 9	1
	4 Computer Network Support Specialists	242	288	1.8%	Demand 7	Supply 59	51
	5 Medical Equipment Repairers	242	292	1.9%	Demand 5	Supply 2	(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 - 44 annual openings in sector	Gap	
	1 Software Developers, Applications	721	1,004	3.4%	Demand 29	Supply 2	(26)
	2 Network and Computer Systems Administrators	428	557	2.7%	Demand 6	Supply 10	4
	3 Computer Hardware Engineers	161	153	-0.5%	Demand 6	Supply 4	(2)
	4 Computer and Information Systems Managers	294	356	1.9%	Demand 5	Supply 36	31
	5 Statistical Assistants	132	163	2.1%	Demand 4	Supply 20	15
	6 Computer Programmers	334	444	2.9%	Demand 4	Supply 2	(3)
	7 Information Security Analysts	181	257	3.6%	Demand 4	Supply 12	8
	8 Computer Systems Analysts	432	533	2.1%	Demand 4	Supply 7	3
	9 Mechanical Engineers	227	251	1.0%	Demand 4	Supply 3	(0)
	10 Software Developers, Systems Software	204	219	0.7%	Demand 3	Supply 2	(1)
	11 Architectural and Engineering Managers	215	253	1.6%	Demand 2	Supply 1	(2)
	12 Electronics Engineers, Except Computer	72	77	0.7%	Demand 2	Supply 0	(1)
	13 Computer Network Architects	89	108	2.0%	Demand 1	Supply 27	25
	14 Sales Engineers	62	72	1.5%	Demand 1	Supply 0	(1)
	15 Electrical Engineers	165	187	1.3%	Demand 1	Supply 1	(0)
	16 Industrial Engineers	232	241	0.4%	Demand 1	Supply 0	(1)