

L a b o r M a r k e t I n d u s t r y P r o f i l e

Broward Information Technology Industry

2019 Edition

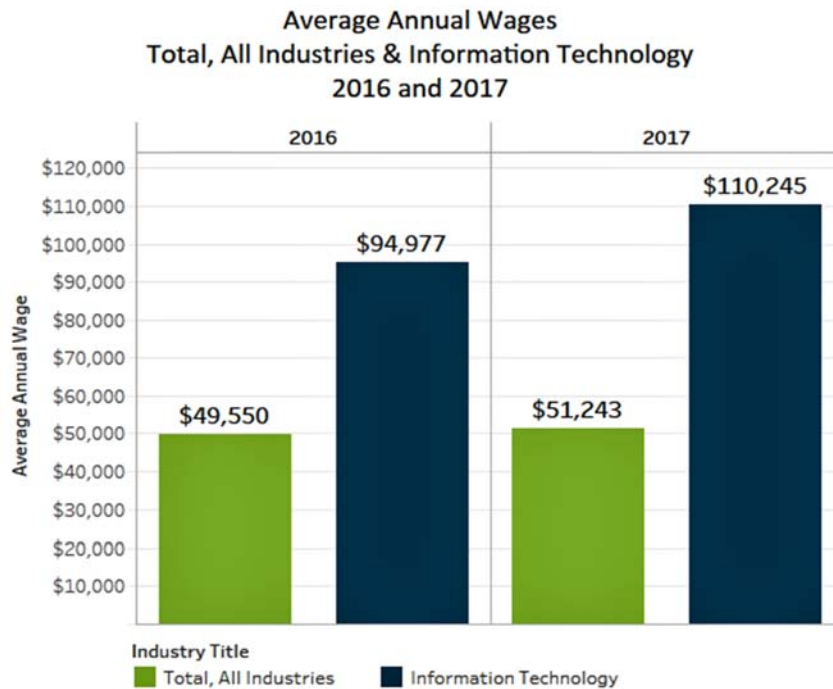


Broward County Information Technology Industry Cluster

Florida's Information Technology (IT) Industry cluster began to develop in support of the nation's space program and was further enhanced with the introduction of the IBM Personal Computer in Boca Raton in 1981. From these early efforts, Florida's IT Industry cluster has matured into such diverse areas as digital media; modeling, simulation and training; photonics/optics; and mobile technologies.

- The IT Industry cluster is defined as a combination of 44 different industries from both manufacturing (22) and non-manufacturing (22). Industries within the cluster underwent a redefinition with the introduction of the 2017 North American Industry Classification System (NAICS). The industries included in the IT Industry cluster are defined by Enterprise Florida, Inc.
- The IT Industry cluster in Broward County had 7,902 establishments and employment of 21,441 in December 2017. Employment was down -7,073 jobs (-24.8 percent) over the year.
- Broward County's largest manufacturing industries in Information Technology in December 2017 were broadcast and wireless communication equipment manufacturing (1,220 jobs); audio and video equipment manufacturing (confidential); and search, detection, and navigation instruments manufacturing (228). The largest non-manufacturing industries were wired telecommunications carriers (5,056 jobs); custom computer programming services (4,464 jobs); and data processing and related services (4,168 jobs).
- Within the IT Industry cluster, the custom computer programming services industry gained the most jobs over the year in December 2017 (+607 jobs, +15.7 percent). The industry losing the most jobs over the year in the cluster wired telecommunication carriers (-190 jobs, -3.6 percent).

Broward County Information Technology Industry Cluster



Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics & Economic Research, Quarterly Census of Employment and Wages Program (QCEW).

- The 2017 average annual wage for workers in the IT Industry was \$110,245, exceeding Broward County’s total average annual wage for all industries (\$51,243) by 115.1 percent. This gap has widened since 2016, when the information technology average annual wage exceeded the average annual wage for all industries by 91.7 percent.
- Information Technology’s average annual wage increased more than the average annual wage for all industries over the year and grew at a faster rate. The average annual wage increased by \$15,268 (+16.1 percent), while for all industries it grew by \$1,693 (+3.4 percent).
- Software publishers had the highest average annual wage in information technology (\$170,617). Fiber optic cable manufacturing had the lowest average annual wage in 2017 (confidential). Twenty-eight IT subsectors had average annual wages that exceeded the wage for all industries in Broward County (\$51,243). Twenty-seven IT subsectors had annual wages greater than \$60,000, and twenty-nine had average annual wages in excess of \$50,000.
- Compared to the average annual wage for all industries in 2017, most IT subsectors had relatively high average annual wages.

**Broward County
Information Technology Industry Cluster**

All Education and Training Levels

Top Occupations in the Information Technology Industry Cluster For All Training Levels*							
Broward County							
Occupation Title	Employment		2018-2026 Change		% of Industry Total	2018 Median Hourly Wage	Training Requirement
	2018	2026	Total	Percent			
Total, All Information Technology Occupations	37,920	41,969	4,049	10.68			
Customer Service Representatives	2,978	3,071	93	3.12	7.85	16.13	High school diploma or equivalent
Software Developers, Applications	2,896	3,862	966	33.36	7.64	46.78	Bachelor's Degree
Telecommunications Equipment Installers and Repairers, Except Line	2,387	2,437	50	2.09	6.29	32.11	Postsecondary non-degree award
Software Developers, Systems Software	1,544	1,773	229	14.83	4.07	40.87	Bachelor's Degree
Computer User Support Specialists	1,373	1,618	245	17.84	3.62	20.84	Some college, no degree
Computer Programmers	1,261	1,263	2	0.16	3.33	31.27	Bachelor's Degree
Computer Systems Analysts	1,182	1,408	226	19.12	3.12	39.86	Bachelor's Degree
Network and Computer Systems Administrators	835	958	123	14.73	2.20	38.13	Bachelor's Degree
Computer and Information Systems Managers	766	914	148	19.32	2.02	59.74	Bachelor's Degree
Computer Network Architects	701	826	125	17.83	1.85	47.96	Bachelor's Degree
Electrical and Electronic Equipment Assemblers	695	568	-127	-18.27	1.83	12.42	High school diploma or equivalent
General and Operations Managers	608	695	87	14.31	1.60	48.13	Bachelor's Degree
Data Entry Keyers	600	539	-61	-10.17	1.58	14.35	High school diploma or equivalent
Computer Network Support Specialists	595	706	111	18.66	1.57	26.62	Associate's Degree
Telecommunications Line Installers and Repairers	554	570	16	2.89	1.46	19.32	High school diploma or equivalent

Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics & Economic Research, Long Term Projections Program, forecast to 2026. Forecasts to the year 2026 assume continued economic recovery.

*The top 15 tables reflect the occupations synonymous with the particular industry and best represent the required set of skills.

Though still counted in the total employment of the Information Technology Industry, the occupations not included above were: Sales Representatives, Services, All Other (2018-1,844 jobs), Office Clerks, General (2018-814 jobs), Secretaries and Administrative Assistants, Except Legal, Medical, and Executive (2018-647 jobs) and Accountants and Auditors (2018-619 jobs).

- The 15 largest information technology occupations comprise about 50.0 percent of the total employment for IT occupations. Nine of the 15 largest occupations are computer and mathematical occupations.
- The largest occupation in the IT Industry cluster in 2018 is customer service representatives, which has an average wage of \$16.13 per hour.
- Among the 15 largest occupations, hourly wages range from a high of \$59.74 for computer and information systems managers to a low of \$12.42 for electrical and electronic equipment assemblers.
- Eleven of the 15 largest occupations have an average wage greater than \$20.00 per hour.
- Thirteen of the 15 largest occupations are projected to increase in employment through 2026.
- Software Developers, Applications are projected to gain the most jobs (+966 jobs) and grow the fastest (+33.36 percent) of the top 15 information technology-specific occupations from 2018 to 2026. Two of the 15 occupations are projected to lose employment—electrical and electronic equipment assemblers (-127 jobs, -18.27 percent) and data entry keyers (-61 jobs, -10.17 percent).

Broward County Information Technology Industry Cluster

- Higher wages are found in occupations with greater training requirements. Eight of the 15 largest IT occupations require at least a Bachelor's degree.

Bachelor's Degree

Top Occupations in the Information Technology Industry Cluster That Require a Bachelor's Degree or Higher**							
Broward County							
Occupation Title	Employment		2018-2026 Change		% of Industry Total	2018 Median Hourly Wage	Training Requirement
	2018	2026	Total	Percent			
Total, All Information Technology Occupations	37,920	41,969	4,049	10.68			
Software Developers, Applications	2,896	3,862	966	33.36	7.64	46.78	Bachelor's Degree
Software Developers, Systems Software	1,544	1,773	229	14.83	4.07	40.87	Bachelor's Degree
Computer Programmers	1,261	1,263	2	0.16	3.33	31.27	Bachelor's Degree
Computer Systems Analysts	1,182	1,408	226	19.12	3.12	39.86	Bachelor's Degree
Network and Computer Systems Administrators	835	958	123	14.73	2.20	38.13	Bachelor's Degree
Computer and Information Systems Managers	766	914	148	19.32	2.02	59.74	Bachelor's Degree
Computer Network Architects	701	826	125	17.83	1.85	47.96	Bachelor's Degree
Accountants and Auditors	619	720	101	16.32	1.63	29.95	Bachelor's Degree
General and Operations Managers	608	695	87	14.31	1.60	48.13	Bachelor's Degree
Management Analysts	528	623	95	17.99	1.39	31.93	Bachelor's Degree
Market Research Analysts and Marketing Specialists	488	629	141	28.89	1.29	31.22	Bachelor's Degree
Training and Development Specialists	380	435	55	14.47	1.00	27.25	Bachelor's Degree
Electrical Engineers	303	350	47	15.51	0.80	36.85	Bachelor's Degree
Graphic Designers	293	343	50	17.06	0.77	23.19	Bachelor's Degree
Producers and Directors	237	285	48	20.25	0.63	29.84	Bachelor's Degree

Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics & Economic Research, Long Term Projections Program, forecast to 2026. Forecasts to the year 2026 assume continued economic recovery.

**The top 15 tables reflect the occupations synonymous with the particular industry and best represent the required set of skills. Though still counted in the total employment of the Information Technology Industry, the occupations requiring at least a Bachelor's Degree not included above were: Interior Designers (2018-512 jobs), Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products (2018-488 jobs) and Business Operations Specialists, All Other (2018-323 jobs).

- Approximately 33.3 percent of the jobs in IT are concentrated in the 15 largest high skill occupations in this industry.
- Average hourly wages for the top 15 high skill IT occupations range from a high of \$59.74 for computer and information systems managers to a low of \$23.19 for graphic designers.
- All 15 of the high skill IT occupations have an average wage greater than \$20.00 per hour.
- All 15 of the largest high skill occupations are projected to gain employment through 2026. Eight of the top 15 high skill information technology occupations are projected to gain over 100 jobs.