

Industry Snapshot

Digital Technology

Emsi Q2 2018 Data Set

April 2018



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Parameters

Industries

11 items selected. See Appendix A for details.

Regions

Code	Description
19100	Dallas-Fort Worth-Arlington, TX

Timeframe

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Datarun

2018.2 - Employees

Digital Technology Targeted Industry in Dallas-Fort Worth-Arlington, TX

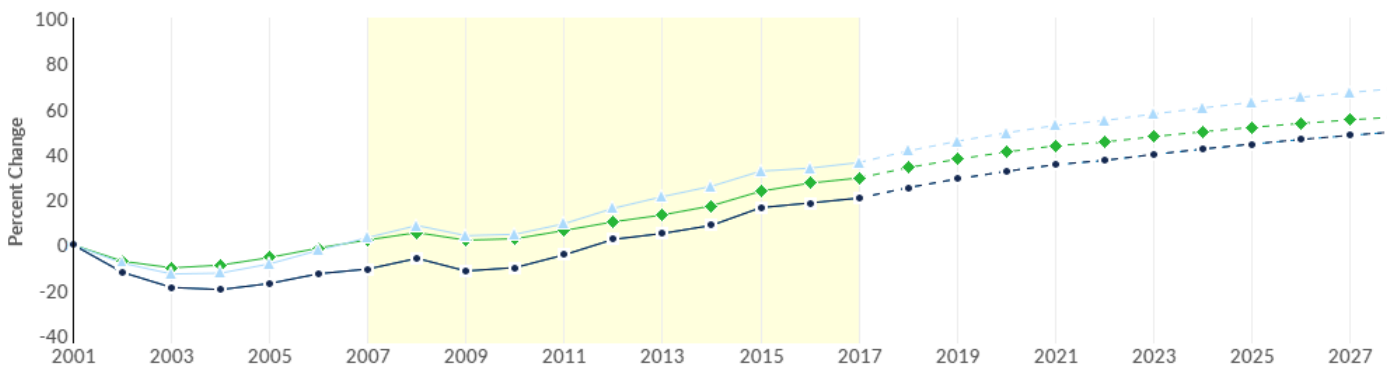
Industry Summary for Digital Technology Targeted Industry

<p>128,136</p> <p>Jobs (2017)</p> <p>15% above National average</p>	<p>+35.0%</p> <p>% Change (2007-2017)</p> <p>Nation: +26.7%</p>	<p>\$120,587</p> <p>Avg. Earnings Per Job (2017)</p> <p>Nation: \$134,744</p>
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Industry Detail

Payrolled Business Locations (2017)	9,863
Jobs Multiplier	Only Available for 6-Digit
Unemployed	Only Available for 2-Digit

Regional Trends



Region	2007 Jobs	2017 Jobs	Change	% Change
● Region	94,894	128,136	33,242	35.0%
■ WSNCT Dallas and Tarrant	94,981	128,225	33,244	35.0%
▲ State	281,632	371,810	90,178	32.0%
◆ Nation	3,712,461	4,704,350	991,889	26.7%

Occupations Employed by these Industries

Description	Employed in Industry Group (2017)	% of Total Jobs in Industry Group (2017)
Software Developers, Applications	13,666	10.7%
Computer Systems Analysts	9,942	7.8%
Computer User Support Specialists	7,526	5.9%
Software Developers, Systems Software	5,660	4.4%
Sales Representatives, Services, All Other	4,996	3.9%

Industry Gender Breakdown



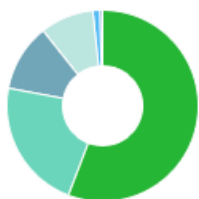
Gender	2017 Jobs	2017 Percent
● Males	86,575	67.6%
● Females	41,561	32.4%

Industry Age Breakdown



Age	2017 Jobs	2017 Percent
● 14-18	246	0.2%
● 19-24	6,999	5.5%
● 25-34	34,801	27.2%
● 35-44	36,314	28.3%
● 45-54	28,815	22.5%
● 55-64	17,014	13.3%
● 65+	3,947	3.1%

Industry Race/Ethnicity Breakdown



Race/Ethnicity	2017 Jobs	2017 Percent
White	71,509	55.8%
Asian	28,362	22.1%
Hispanic or Latino	14,588	11.4%
Black or African American	11,563	9.0%
Two or More Races	1,501	1.2%
American Indian or Alaska Native	451	0.4%
Native Hawaiian or Other Pacific Islander	161	0.1%

Industry Requirements

Purchases from	In-region Purchases	Imported Purchases	Total Purchases
Software Publishers	\$997,720,445	\$10,670,094	\$1,008,390,539
Temporary Help Services	\$626,639,146	\$2,540,504	\$629,179,651
Wired Telecommunications Carriers	\$464,043,857	\$5,581,663	\$469,625,520
Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	\$426,421,196	\$528,429	\$426,949,625
Administrative Management and General Management Consulting Services	\$330,976,109	\$14,454	\$330,990,563

Top Regional Businesses

Business Name	Industry Name	Business Size
Verizon Wireless	Other Electronic and Precision Equipment Repair and Maintenance (811219)	3,500
Fujitsu Network Comms	Custom Computer Programming Services (541511)	1,500
Affiliated Computer Services Inc	Computer and Office Machine Repair and Maintenance (811212)	1,495
Microsoft Corporation	Software Publishers (511210)	1,380
Nokia Inc	Custom Computer Programming Services (541511)	1,100

Business Data by DatabaseUSA.com is third-party data provided by Emsi to its customers as a convenience, and Emsi does not endorse or warrant its accuracy or consistency with other published Emsi data.

Appendix A - Industries

Code	Description
51121	Software Publishers
51741	Satellite Telecommunications
51791	Other Telecommunications
51821	Data Processing, Hosting, and Related Services
51911	News Syndicates
51913	Internet Publishing and Broadcasting and Web Search Portals
51919	All Other Information Services
54133	Engineering Services
54151	Computer Systems Design and Related Services
54171	Research and Development in the Physical, Engineering, and Life Sciences
81121	Electronic and Precision Equipment Repair and Maintenance

Appendix B - Data Sources and Calculations

Industry Data

Emsi industry data have various sources depending on the class of worker. (1) For QCEW Employees, Emsi primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

Input-Output Data

The input-output model in this report is Emsi's gravitational flows multi-regional social account matrix model (MR-SAM). It is based on data from the Census Bureau's Current Population Survey and American Community Survey; as well as the Bureau of Economic Analysis' National Income and Product Accounts, Input-Output Make and Use Tables, and Gross State Product data. In addition, several Emsi in-house data sets are used, as well as data from Oak Ridge National Labs on the cost of transportation between counties.

DatabaseUSA.com Business-Level Data

Data for individual businesses is provided by DatabaseUSA.com, which maintains a database of more than 14 million U.S. business entities. Note that in aggregate it will not be consistent with Emsi labor market data due to differences in definitions, methodology, coverage, and industry/geographic classification.

State Data Sources

This report uses state data from the following agencies: Texas Workforce Commission

Industry Snapshot of Digital Technology Targeted Industry in Dallas-Fort Worth-Arlington, TX MSA, 2017q2												
		Current			5-Year History			10-Year Forecast				
		Four Quarters Ending with 2017q2			Total Change	Empl Last 'n' Years	Avg Ann % Chg in Empl	Separations (Approximate)			Growth	
NAICS	Industry	Empl	Avg Ann Wages	LQ	Empl	1 3 5	Region	Total New Demand	Exits	Transfers	Empl	Avg Ann Rate
511210	Software Publishers	9,706	\$128,869	1.08	1,383		3.1%	11,551	2,608	5,966	2,977	2.7%
517410	Satellite Telecommunications	137	\$119,471	0.70	-112		-11.2%	151	43	88	20	1.4%
517911	Telecommunications Resellers	3,406	\$71,996	2.70	-1,031		-5.2%	2,811	1,072	2,067	-328	-1.0%
517919	All Other Telecommunications	1,153	\$120,258	1.67	630		17.1%	1,103	379	730	-7	-0.1%
518210	Data Processing, Hosting, and Related Services	14,554	\$112,715	1.83	203		0.3%	18,027	4,714	9,275	4,039	2.5%
519130	Internet Publishing and Broadcasting and Web Search Portals	2,112	\$89,835	0.39	810		10.2%	3,473	823	1,520	1,129	4.4%
519190	All Other Information Services	386	\$87,473	0.69	3		0.2%	604	145	271	188	4.1%
541330	Engineering Services	21,784	\$99,044	0.88	-324		-0.3%	24,602	6,922	12,589	5,092	2.1%
541511	Custom Computer Programming Services	31,926	\$105,558	1.45	9,903		7.7%	38,864	8,539	19,451	10,875	3.0%
541512	Computer Systems Design Services	33,992	\$99,414	1.42	9,267		6.6%	41,256	9,096	20,710	11,451	2.9%
541513	Computer Facilities Management Services	2,057	\$109,452	1.13	428		4.8%	2,402	542	1,235	625	2.7%
541519	Other Computer Related Services	2,545	\$144,704	0.88	410		3.6%	3,023	673	1,534	816	2.8%
811211	Consumer Electronics Repair and Maintenance	1,516	\$42,755	4.25	961		22.3%	1,660	566	960	133	0.8%
811212	Computer and Office Machine Repair and Maintenance	1,756	\$55,745	1.55	94		1.1%	1,916	655	1,111	150	0.8%
811213	Communication Equipment Repair and Maintenance	1,359	\$68,224	3.43	-390		-4.9%	1,504	510	863	131	0.9%
811219	Other Electronic and Precision Equipment Repair and Maintenance	785	\$67,295	0.87	-327		-6.7%	883	297	501	84	1.0%
	Digital Technology Targeted Industry	129,174	\$103,159	1.25	21,908		3.8%	n/a	0	0	37,217	2.6%
	Total - All Industries	3,692,626	\$58,656	1.00	492,802		2.9%	5,081,075	1,877,960	2,507,012	696,103	1.7%

Source: JobsEQ®
Data as of 2017Q2
Note: Figures may not sum due to rounding.