career tech

September 2017

Southwest Technology Center

Economy Overview

Providing Valid and Reliable Data | Information Management Division

Parameters

Regions

Code	Description
40055	Greer County, OK
40057	Harmon County, OK
40065	Jackson County, OK

Timeframe

2001 - 2016

Datarun

2017.3 – QCEW Employees, Non-QCEW Employees, and Self-Employed

Economy Overview

Population (2016)	34,199
Jobs (2016)	14,267
Average Earnings (2016)	$45.5K
Unemployed (1/2017)	649
Completions (2016)	412
GRP (2016)	$1.4B
Exports (2016)	$3.8B
Imports (2016)	$3.0B

Population

34.2K		**-3.7%**
2016 Population		**Population Growth for the Last 5 Years**
0.9% of State		State Growth 3.6%

Age Group	2016 Population	% of Population	
Under 5 years	2,565	7.5%	
5 to 9 years	2,422	7.1%	
10 to 14 years	2,173	6.4%	
15 to 19 years	2,051	6.0%	
20 to 24 years	2,503	7.3%	
25 to 29 years	2,678	7.8%	
30 to 34 years	2,501	7.3%	
35 to 39 years	2,083	6.1%	
40 to 44 years	1,962	5.7%	
45 to 49 years	1,885	5.5%	
50 to 54 years	2,076	6.1%	
55 to 59 years	2,176	6.4%	
60 to 64 years	1,881	5.5%	
65 to 69 years	1,617	4.7%	
70 to 74 years	1,174	3.4%	
75 to 79 years	1,012	3.0%	
80 to 84 years	702	2.1%	
85 years and over	737	2.2%	

Jobs by Industry

14,267	53.9%	46.1%
Total Jobs (2016)	**Male**	**Female**
	(National: 51.4%)	(National: 48.6%)

NAICS	Industry	2016 Jobs	
11	Crop and Animal Production	651	▆
21	Mining, Quarrying, and Oil and Gas Extraction	21	▏
22	Utilities	59	▏
23	Construction	399	▃
31	Manufacturing	901	▅
42	Wholesale Trade	237	▃
44	Retail Trade	1,509	▇
48	Transportation and Warehousing	245	▃
51	Information	75	▏
52	Finance and Insurance	475	▃
53	Real Estate and Rental and Leasing	125	▏
54	Professional, Scientific, and Technical Services	210	▃
55	Management of Companies and Enterprises	51	▏
56	Administrative and Support and Waste Management and Remediation Services	354	▃
61	Educational Services	273	▃
62	Health Care and Social Assistance	934	▅
71	Arts, Entertainment, and Recreation	49	▏
72	Accommodation and Food Services	1,261	▆
81	Other Services (except Public Administration)	557	▃
90	Government	5,881	████████
99	Unclassified Industry	0	▏

Average Earnings by Industry

$45.5K

Avg. Earnings (2016)

73% of Nation Avg.

NAICS	Industry	Avg. Earnings (2016)	
11	Crop and Animal Production	$32,617	
21	Mining, Quarrying, and Oil and Gas Extraction	$39,347	
22	Utilities	$62,788	
23	Construction	$30,919	
31	Manufacturing	$54,682	
42	Wholesale Trade	$49,467	
44	Retail Trade	$30,161	
48	Transportation and Warehousing	$44,517	
51	Information	$52,321	
52	Finance and Insurance	$53,507	
53	Real Estate and Rental and Leasing	$35,131	
54	Professional, Scientific, and Technical Services	$48,758	
55	Management of Companies and Enterprises	$54,137	
56	Administrative and Support and Waste Management and Remediation Services	$27,566	
61	Educational Services	$99,178	
62	Health Care and Social Assistance	$37,044	
71	Arts, Entertainment, and Recreation	$17,730	
72	Accommodation and Food Services	$14,813	
81	Other Services (except Public Administration)	$21,711	
90	Government	$58,516	
99	Unclassified Industry	$0	

Unemployment by Industry

649
Total Unemployment (1/2017)

NAICS	Industry	Unemployed (1/2017)	% of Regional Unemployment	
11	Crop and Animal Production	6	1%	
21	Mining, Quarrying, and Oil and Gas Extraction	1	0%	
22	Utilities	4	1%	
23	Construction	13	2%	
31	Manufacturing	41	6%	
42	Wholesale Trade	7	1%	
44	Retail Trade	96	15%	
48	Transportation and Warehousing	8	1%	
51	Information	3	0%	
52	Finance and Insurance	14	2%	
53	Real Estate and Rental and Leasing	6	1%	
54	Professional, Scientific, and Technical Services	8	1%	
55	Management of Companies and Enterprises	1	0%	
56	Administrative and Support and Waste Management and Remediation Services	15	2%	
61	Educational Services	29	5%	
62	Health Care and Social Assistance	39	6%	
71	Arts, Entertainment, and Recreation	2	0%	
72	Accommodation and Food Services	60	9%	
81	Other Services (except Public Administration)	17	3%	
90	Government	172	27%	
99	No Previous Work Experience/Unspecified	107	17%	

Top Program Completions

CIP	Program	Completions (2016)	
51	Health professions and related programs	107	
24	Liberal arts and sciences, general studies and humanities	94	
47	Mechanic and repair technologies/technicians	46	
52	Business, management, marketing, and related support services	38	
15	Engineering technologies and engineering-related fields	36	
12	Personal and culinary services	16	
46	Construction trades	12	
42	Psychology	11	
27	Mathematics and statistics	10	
31	Parks, recreation, leisure, and fitness studies	10	

Gross Regional Product (GRP)

$740.0M	$573.9M	$53.2M	$1,367.1M
Earnings (2016)	**Property Income (2016)**	**Taxes on Production (2016)**	**Total GRP (2016)**

NAICS	Industry	GRP (2016)	% of Total	
11	Crop and Animal Production	$83,771,760.39	6%	
21	Mining, Quarrying, and Oil and Gas Extraction	$42,418,575.50	3%	
22	Utilities	$14,428,550.82	1%	
23	Construction	$23,133,039.25	2%	
31	Manufacturing	$95,785,278.69	7%	
42	Wholesale Trade	$26,608,108.52	2%	
44	Retail Trade	$75,987,476.30	6%	
48	Transportation and Warehousing	$15,564,590.06	1%	
51	Information	$14,906,215.25	1%	
52	Finance and Insurance	$62,781,990.02	5%	
53	Real Estate and Rental and Leasing	$18,996,400.06	1%	
54	Professional, Scientific, and Technical Services	$14,812,077.62	1%	
55	Management of Companies and Enterprises	$4,175,394.55	0%	
56	Administrative and Support and Waste Management and Remediation Services	$15,162,159.22	1%	

NAICS	Industry	GRP (2016)	% of Total	
61	Educational Services	$29,183,902.91	2%	▪
62	Health Care and Social Assistance	$41,171,634.20	3%	▪
71	Arts, Entertainment, and Recreation	$1,692,484.22	0%	‖
72	Accommodation and Food Services	$31,443,918.40	2%	▪
81	Other Services (except Public Administration)	$17,566,745.59	1%	▪
90	Government	$579,928,462.71	42%	▬▬▬▬▬
	Other Non-Industries	$157,630,564.87	12%	▬▬

Region Exports

$3.8B

Exports (2016)

90% of Supply

NAICS	Industry	Exports (2016)	
11	Crop and Animal Production	$218,367,904	
21	Mining, Quarrying, and Oil and Gas Extraction	$42,724,211	
22	Utilities	$16,159,300	
23	Construction	$9,858,039	
31	Manufacturing	$412,270,210	
42	Wholesale Trade	$27,923,203	
44	Retail Trade	$98,092,047	
48	Transportation and Warehousing	$14,640,560	
51	Information	$22,990,349	
52	Finance and Insurance	$81,860,025	
53	Real Estate and Rental and Leasing	$27,782,236	
54	Professional, Scientific, and Technical Services	$11,505,536	
55	Management of Companies and Enterprises	$7,209,145	
56	Administrative and Support and Waste Management and Remediation Services	$16,236,033	
61	Educational Services	$45,944,967	
62	Health Care and Social Assistance	$41,572,478	
71	Arts, Entertainment, and Recreation	$722,856	
72	Accommodation and Food Services	$62,316,295	
81	Other Services (except Public Administration)	$10,610,058	
90	Government	$2,635,052,512	

Region Imports

$3.0B	$497.6M
Imports (2016)	**Locally Produced & Consumed (2016)**
86% of Demand	14% of Demand

NAICS	Industry	Imports (2016)	
11	Crop and Animal Production	$196,235,300	
21	Mining, Quarrying, and Oil and Gas Extraction	$11,144,919	
22	Utilities	$28,412,223	
23	Construction	$115,179,793	
31	Manufacturing	$493,341,105	
42	Wholesale Trade	$116,584,199	
44	Retail Trade	$106,048,276	
48	Transportation and Warehousing	$82,764,520	
51	Information	$116,058,798	
52	Finance and Insurance	$139,035,820	
53	Real Estate and Rental and Leasing	$76,659,803	
54	Professional, Scientific, and Technical Services	$188,327,452	
55	Management of Companies and Enterprises	$30,395,026	
56	Administrative and Support and Waste Management and Remediation Services	$43,157,003	
61	Educational Services	$27,118,792	
62	Health Care and Social Assistance	$171,700,055	
71	Arts, Entertainment, and Recreation	$23,354,278	
72	Accommodation and Food Services	$75,859,939	
81	Other Services (except Public Administration)	$24,516,420	
90	Government	$974,133,617	

Regional Trends

Region	2001 Jobs	2016 Jobs	Change	% Change
Region	16,584	14,267	-2,317	-14.0%
Southwest Technology Center	15,629	13,450	-2,179	-13.9%
Autry Technology Center	52,759	59,267	6,508	12.3%
Indian Capital Technology Center	90,469	94,772	4,303	4.8%
Oklahoma	1,692,877	1,786,829	93,952	5.5%
United States	144,791,301	158,516,931	13,725,630	9.5%

Growing & Declining Occupations

Occupation	Change in Jobs (2001-2016)	
Combined Food Preparation and Serving Workers, Including Fast Food	113	■
Emergency Medical Technicians and Paramedics	31	I
Cooks, Fast Food	24	I
Heavy and Tractor-Trailer Truck Drivers	-169	▬
Farmers, Ranchers, and Other Agricultural Managers	-173	▬
Military occupations	-612	▬▬▬

Growing & Declining Industries

Industry	Change in Jobs (2001-2016)	
Meat Processed from Carcasses	386	■
Limited-Service Restaurants	218	■
Local Government, Excluding Education and Hospitals	170	■
General Freight Trucking, Long-Distance, Truckload	-274	▬
Hospitals (Local Government)	-280	▬
Federal Government, Military	-612	▬▬

2016 Educational Attainment

	Education Level	2016 Population	2016 Percent	
●	Less Than 9th Grade	2,051	9.1%	▬
●	9th Grade to 12th Grade	2,259	10.0%	▬
●	High School Diploma	6,336	28.2%	▬▬▬
●	Some College	5,356	23.8%	▬▬▬
●	Associate's Degree	2,162	9.6%	▬
●	Bachelor's Degree	2,942	13.1%	▬
●	Graduate Degree and Higher	1,378	6.1%	▪

2016 Age Cohort Demographics

	Age Cohort	2016 Population	2016 Percent	
●	Under 20 years	9,211	26.9%	
●	20 to 39 years	9,765	28.6%	
●	40 to 59 years	8,099	23.7%	
●	60 to 79 years	5,684	16.6%	
●	80 years and over	1,439	4.2%	

2016 Race/Ethnicity Demographics

	Race/Ethnicity	2016 Population	2016 Percent	
●	All Other Race/ethnicities	2,098	6.1%	
●	Two or More Races, Non-Hispanic	1,033	3.0%	
●	Black, Non-Hispanic	2,457	7.2%	
●	White, Hispanic	6,383	18.7%	
●	White, Non-Hispanic	22,229	65.0%	

Top Regional Businesses

Business Name	Business Size
Altus Air Force Base	Large (250+)
Civilian Personnel Mgmt Svc	Large (250+)
Jcmh Rehabilitation Svc	Large (250+)
Jackson County Meml Hospital	Large (250+)
Bar-s Foods Co	Large (250+)

Appendix A - Data Sources and Calculations

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.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Demographic Data

The demographic data in this report is compiled from several sources using a specialized process. Sources include annual population estimates and population projections from the US Census Bureau, birth and mortality rates from the US Health Department, and projected regional job growth.

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.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Unemployment Data

The unemployment data in this report comes from the Bureau of Labor Statistics' Local Area Unemployment Statistics and is updated every two months.

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

Educational Attainment Data

Emsi's educational attainment numbers are based on Emsi's demographic data and the American Community Survey. By combining these sources, Emsi interpolates for missing years and projects data at the county level. Educational attainment data cover only the population aged 25 years or more and indicate the highest level achieved.

Infogroup Business-Level Data

Data for individual businesses is provided by Infogroup, which maintains a database of more than 16 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: Oklahoma Employment Security Commission