



Industry Spotlight

Software & Technology

Ogden-Clearfield, UT MSA



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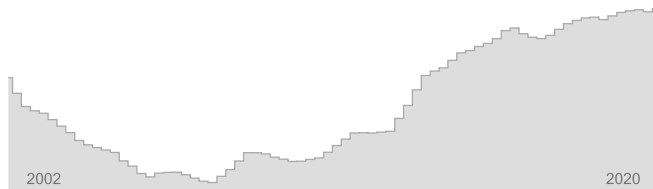
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Spotlight Summary

Software & Technology
Ogden-Clearfield, UT MSA – 2020Q2

EMPLOYMENT



6,023

Regional employment / **5,795,516** in the nation

WAGES



\$64,730

Avg Wages per Worker / **\$127,268** in the nation

4.4% ↑

Avg Ann % Change Last 10 Years / **+2.3%** in the U.S.



2.1%

% of Total Employment / **3.7%** in the U.S.

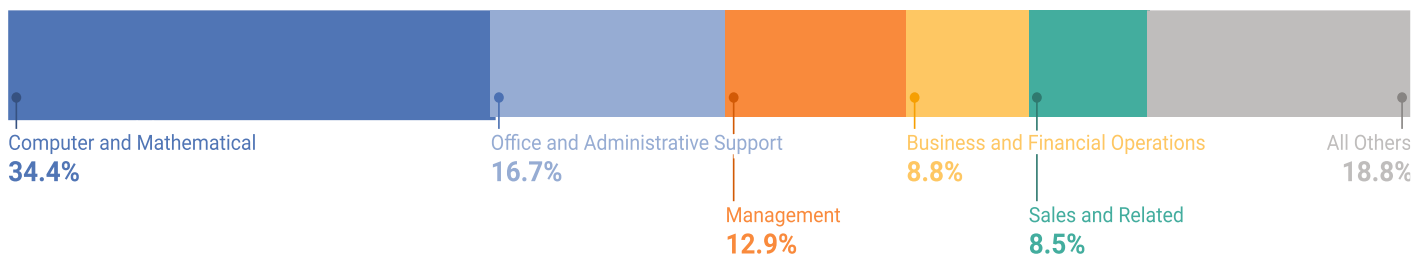


1.7% ↑

Avg Ann % Change Last 10 Years / **+4.4%** in the U.S.



TOP OCCUPATION GROUPS



TOP INDUSTRIES

Avg Ann % Change in Employment, Last 10 Years

15.1% ↑



Electronic Shopping and Mail-Order Houses

5.8% ↑



Computer Systems Design Services

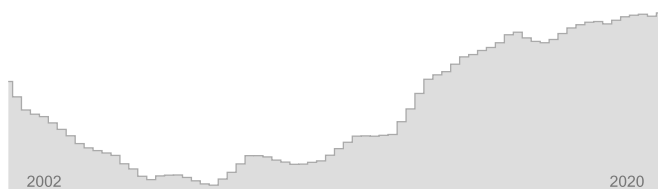
1.5% ↑



Custom Computer Programming Services

Industry Snapshot

EMPLOYMENT



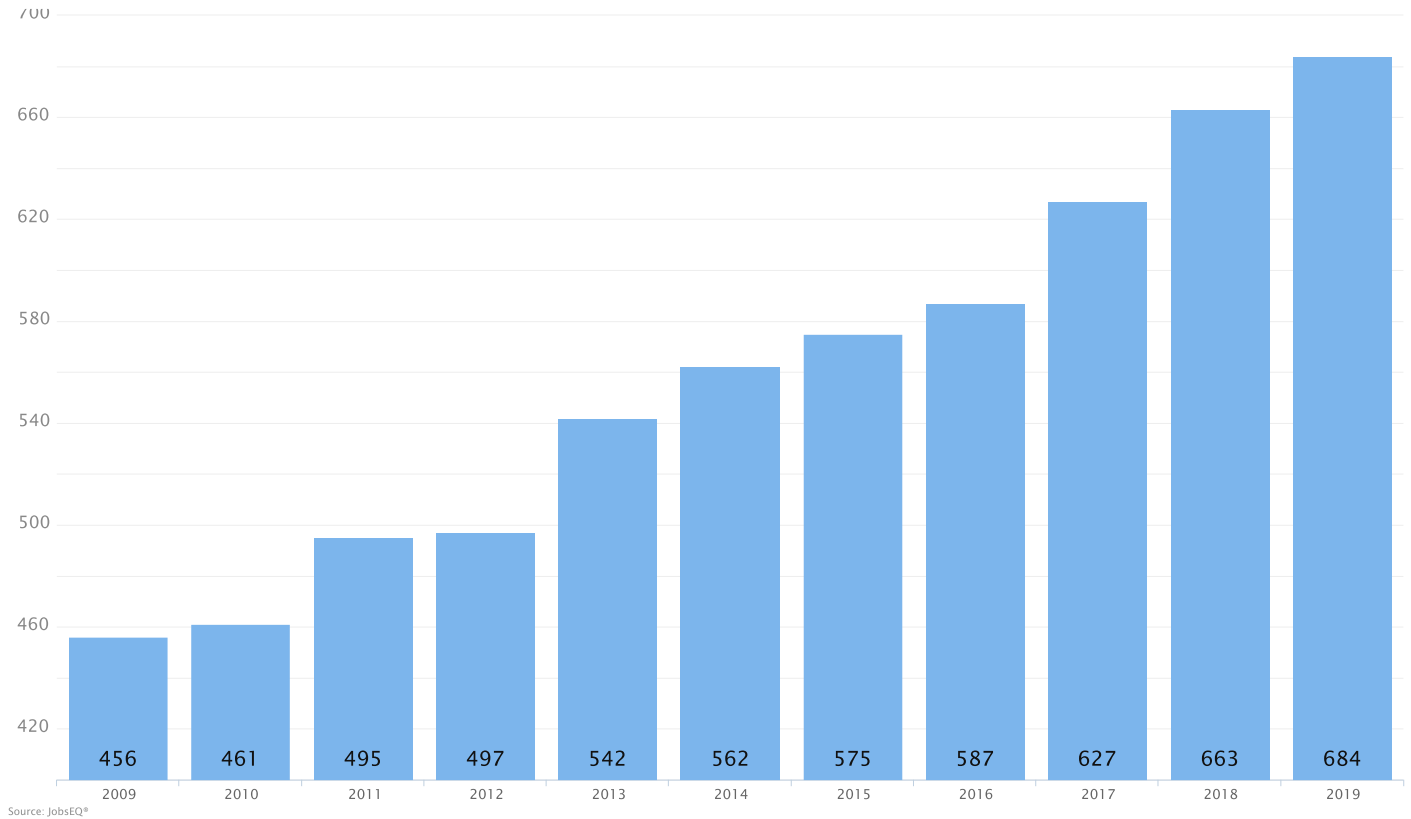
WAGES



6-Digit Industry	Empl	Avg Ann Wages	LQ	5yr History	Annual Demand	Forecast Ann Growth
Electronic Shopping and Mail-Order Houses	1,443	\$41,964	1.75		215	4.1%
Computer Systems Design Services	1,229	\$64,943	0.63		132	3.0%
Custom Computer Programming Services	1,148	\$81,680	0.62		123	3.1%
Other Computer Related Services	302	\$71,723	1.37		33	3.1%
Software Publishers	250	\$73,676	0.28		27	2.7%
Internet Publishing and Broadcasting and Web Search Portals	180	\$63,755	0.33		22	2.8%
Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing	177	\$71,824	1.98		12	-1.8%
Data Processing, Hosting, and Related Services	159	\$57,801	0.23		18	2.5%
Wired Telecommunications Carriers	152	\$67,196	0.16		13	-0.9%
Semiconductor and Related Device Manufacturing	135	\$127,870	0.40		12	-0.2%
Remaining Component Industries	848	\$59,135	0.41		81	0.3%
Software & Technology	6,023	\$64,730	0.57		695	2.7%

Establishments


In 2019, there were 684 Software & Technology establishments in the Ogden-Clearfield, UT MSA (per covered employment establishment counts), an increase from 456 establishments ten years earlier in 2009.



Supply Chain: Top Suppliers

As of 2020Q2, Software & Technology in the Ogden-Clearfield, UT MSA are estimated to make \$361.7 million in annual purchases from suppliers in the United States with about 54% or \$196.9 million of these purchases being made from businesses located in the Ogden-Clearfield, UT MSA.

6-digit Supplier Industries	Purchases from In-Region (\$M)	Purchases from Out-of-Region (\$M)
Wired Telecommunications Carriers	\$7.5	\$25.5
Software Publishers	\$3.7	\$18.4
Residential Property Managers	\$9.3	\$3.7
Semiconductor and Related Device Manufacturing	\$9.9	\$1.0
Offices of Real Estate Agents and Brokers	\$7.9	\$2.8
Remaining Supplier Industries	\$158.6	\$113.2
Total	\$196.9	\$164.8

 Supplier-buyer networks can indicate local linkages between industries, regional capacity to support growth in an industry, and potential leakage of sales out of the region.

Postsecondary Programs Linked to Software & Technology

Program	Awards
Davis Technical College	
Computer and Information Sciences, General	41
Pharmacy Technician/Assistant	72
Web Page, Digital/Multimedia and Information Resources Design	37
Weber State University	
Business/Managerial Economics	65
Computer and Information Sciences, General	21
Computer Programming/Programmer, General	23
Computer Science	224
Management Information Systems, General	44
Manufacturing Engineering Technology/Technician	101
Selling Skills and Sales Operations	122

Source: [JobsEQ®](http://www.chmuraecon.com/jobseq)

Industry Definition

Software & Technology is defined as the following NAICS industries:

Code	Description
334111	Electronic Computer Manufacturing
334112	Computer Storage Device Manufacturing
334118	Computer Terminal and Other Computer Peripheral Equipment Manufacturing
334210	Telephone Apparatus Manufacturing
334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
334290	Other Communications Equipment Manufacturing
334310	Audio and Video Equipment Manufacturing
334412	Bare Printed Circuit Board Manufacturing
334413	Semiconductor and Related Device Manufacturing
334416	Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing
334417	Electronic Connector Manufacturing
334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing
334419	Other Electronic Component Manufacturing
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables
334514	Totalizing Fluid Meter and Counting Device Manufacturing
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
334519	Other Measuring and Controlling Device Manufacturing
334613	Blank Magnetic and Optical Recording Media Manufacturing
334614	Software and Other Prerecorded Compact Disc, Tape, and Record Reproducing
423430	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers
425110	Business to Business Electronic Markets
454110	Electronic Shopping and Mail-Order Houses
511210	Software Publishers
517311	Wired Telecommunications Carriers
517312	Wireless Telecommunications Carriers (except Satellite)
517410	Satellite Telecommunications
517911	Telecommunications Resellers
517919	All Other Telecommunications
518210	Data Processing, Hosting, and Related Services
519130	Internet Publishing and Broadcasting and Web Search Portals
541511	Custom Computer Programming Services
541512	Computer Systems Design Services
541513	Computer Facilities Management Services
541519	Other Computer Related Services
541910	Marketing Research and Public Opinion Polling

Data Notes

- Industry employment and wages (including total regional employment and wages) are as of 2020Q2 and are based upon BLS QCEW data, imputed by Chmura where necessary, and supplemented by additional sources including Census ZBP data. Employment forecasts are modeled by Chmura and are consistent with BLS national-level 10-year forecasts.
- Occupation employment is as of 2020Q2 and is based on industry employment and local staffing patterns calculated by Chmura and utilizing BLS OES data. Occupation wages are per the BLS OES data and are as of 2019.
- GDP is derived from BEA data and imputations by Chmura. Productivity (output per worker) is calculated by Chmura using industry employment and wages as well as GDP and BLS output data. Supply chain modeling including purchases by industry are developed by Chmura.
- Postsecondary awards are per the NCES and are for the 2018-2019 academic year.
- Establishment counts are per the BLS QCEW data.
- Figures may not sum due to rounding.

FAQ

What is (LQ) location quotient?

Location quotient is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an industry (or occupation) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

What is annual demand?

Annual demand is a of the sum of the annual projected growth demand and separation demand. Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. Growth demand is the increase or decrease of jobs expected due to expansion or contraction of the overall number of jobs.

What is the difference between industry wages and occupation wages?

Industry wages and occupation wages are estimated via separate data sets, often the time periods being reported do not align, and wages are defined slightly differently in the two systems (for example, certain bonuses are included in the industry wages but not the occupation wages). It is therefore common that estimates of the average industry wages and average occupation wages in a region do not match exactly.