

Occupation Overview

EMSI Q3 2015 Data Set

March 2016

Williamson, Inc.



Tennessee

Parameters

Occupations

Code	Description
11-3021	Computer and Information Systems Managers
15-1111	Computer and Information Research Scientists
15-1121	Computer Systems Analysts
15-1122	Information Security Analysts
15-1131	Computer Programmers
15-1141	Database Administrators
15-1142	Network and Computer Systems Administrators
15-1151	Computer User Support Specialists
15-1199	Computer Occupations, All Other
43-9011	Computer Operators

Regions

Code	Description
47187	Williamson County, TN

Timeframe

2015 - 2025

Datarun

2015.3 – QCEW Employees, Non-QCEW Employees, and Self-Employed

10 Occupations in Williamson County, TN

Occupation Summary for 10 Occupations

<div>3,868</div> <div>Jobs (2015)</div> <div>67% above National average</div>	<div>+22.2%</div> <div>% Change (2015-2025)</div> <div>Nation: +15.9%</div>	<div>\$37.82/hr</div> <div>Median Hourly Earnings</div> <div>Nation: \$37.24/hr</div>
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Growth

3,868

2015 Jobs

4,727

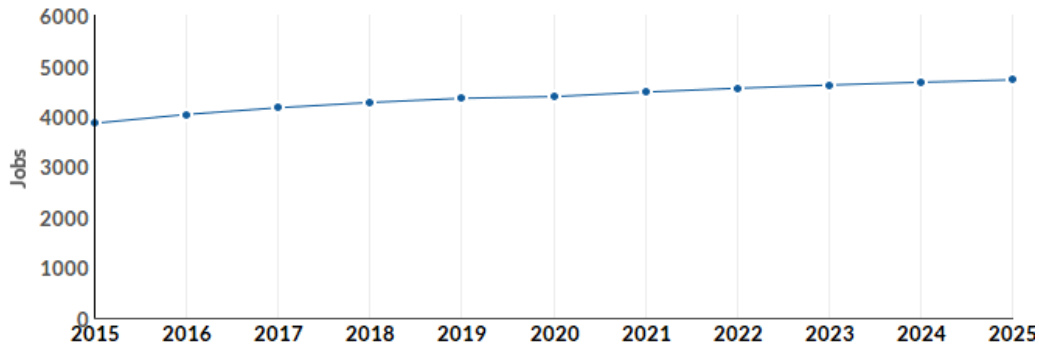
2025 Jobs

859

Change (2015-2025)

22.2%

% Change (2015-2025)



Occupation	2015 Jobs	2025 Jobs	Change	% Change
Computer and Information Systems Managers (11-3021)	674	798	124	18%
Computer and Information Research Scientists (15-1111)	36	45	9	25%
Computer Systems Analysts (15-1121)	957	1,186	229	24%
Information Security Analysts (15-1122)	105	144	39	37%
Computer Programmers (15-1131)	497	583	86	17%
Database Administrators (15-1141)	116	143	27	23%
Network and Computer Systems Administrators (15-1142)	403	486	83	21%
Computer User Support Specialists (15-1151)	814	1,051	237	29%
Computer Occupations, All Other (15-1199)	146	177	31	21%
Computer Operators (43-9011)	120	114	-6	-5%

Percentile Earnings

\$29.84/hr

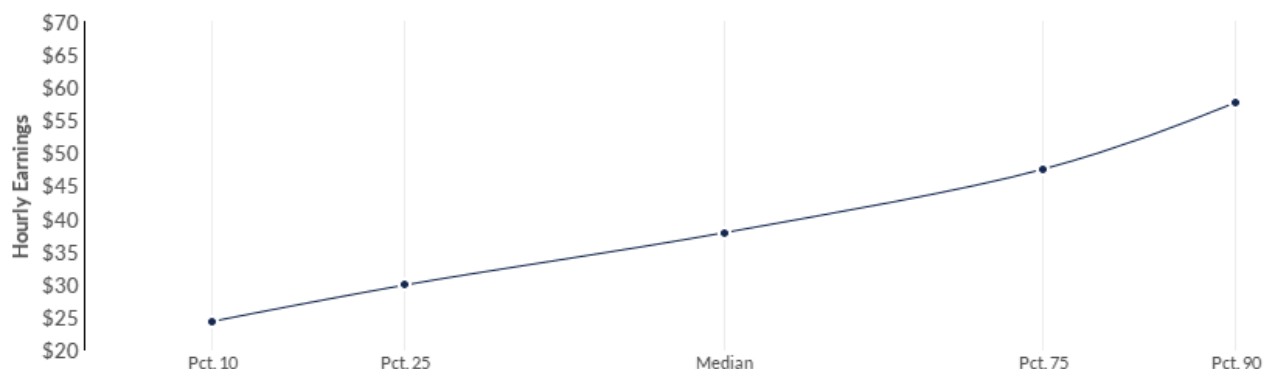
25th Percentile Earnings

\$37.82/hr

Median Earnings

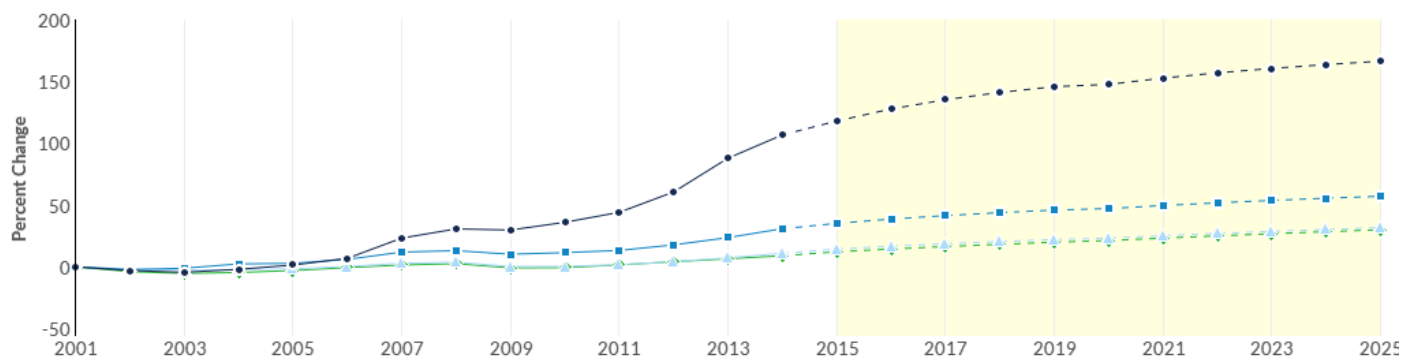
\$47.53/hr

75th Percentile Earnings



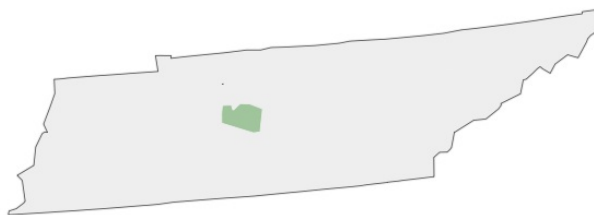
Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Computer and Information Systems Managers (11-3021)	\$42.99	\$54.97	\$70.09
Computer and Information Research Scientists (15-1111)	\$23.35	\$27.35	\$45.70
Computer Systems Analysts (15-1121)	\$30.64	\$38.79	\$47.43
Information Security Analysts (15-1122)	\$31.41	\$38.64	\$49.03
Computer Programmers (15-1131)	\$31.15	\$39.64	\$49.65
Database Administrators (15-1141)	\$33.85	\$42.61	\$53.08
Network and Computer Systems Administrators (15-1142)	\$31.58	\$40.64	\$51.36
Computer User Support Specialists (15-1151)	\$18.75	\$23.07	\$29.13
Computer Occupations, All Other (15-1199)	\$23.44	\$30.51	\$39.79
Computer Operators (43-9011)	\$17.29	\$22.55	\$26.82

Regional Trends



Region	2015 Jobs	2025 Jobs	Change	% Change
Region	3,868	4,727	859	22.2%
Nashville-Davidson--Murfreesboro--Franklin, TN	17,831	20,730	2,899	16.3%
Tennessee	43,188	49,750	6,562	15.2%
United States	2,834,005	3,284,308	450,303	15.9%

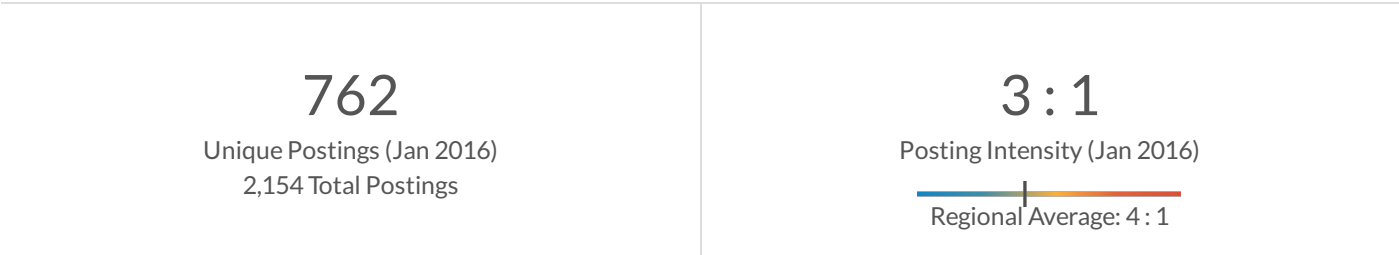
Regional Breakdown



* Highlighted areas show counties that contain the selected zip codes

ZIP	2025 Jobs
Franklin, TN 37067 (in Williamson county)	2,090
Brentwood, TN 37027 (in Williamson county)	2,027
Franklin, TN 37064 (in Williamson county)	490
Franklin, TN 37069 (in Williamson county)	32
Franklin, TN 37065 (in Williamson county)	21

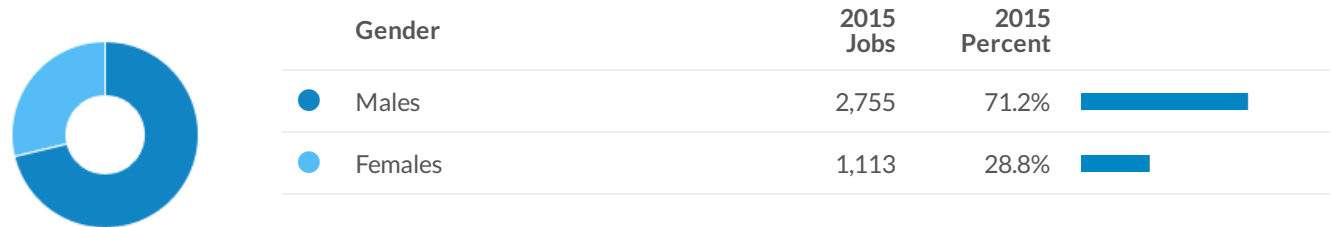
Job Postings Summary



There were 2,154 total job postings for 10 Occupations in January 2016, of which 762 were unique. These numbers give us a Posting Intensity of 3-to-1, meaning that for every 3 postings there is 1 unique job posting.

This is close to the Posting Intensity for all other occupations and companies in the region (4-to-1), indicating they are putting average effort toward hiring this position.

Occupation Gender Breakdown

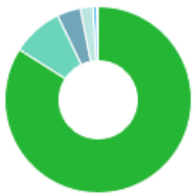


Occupation Age Breakdown



Age	2015 Jobs	2015 Percent
14-18	6	0.2%
19-24	137	3.5%
25-34	983	25.4%
35-44	1,301	33.6%
45-54	945	24.4%
55-64	436	11.3%
65+	60	1.6%

Occupation Race/Ethnicity Breakdown



Race/Ethnicity	2015 Jobs	2015 Percent
White	3,249	84.0%
Black or African American	342	8.8%
Asian	157	4.1%
Hispanic or Latino	85	2.2%
Two or More Races	25	0.6%
American Indian or Alaska Native	9	0.2%
Native Hawaiian or Other Pacific Islander	2	0.0%

Occupational Programs

0 Programs (2014)	0 Completions (2014)	264 Openings (2014)
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Industries Employing 10 Occupations

Industry	Occupation Group Jobs in Industry (2015)	% of Occupation Group in Industry (2015)	% of Total Jobs in Industry (2015)
Computer Systems Design Services	715	18.5%	36.5%
Corporate, Subsidiary, and Regional Managing Offices	564	14.6%	8.6%
Custom Computer Programming Services	481	12.4%	36.6%
Software Publishers	296	7.7%	28.1%
Data Processing, Hosting, and Related Services	145	3.8%	28.9%

Appendix A - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

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.

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.

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.

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 and Current Employment Statistics. (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.

State Data Sources

This report uses state data from the following agencies: Tennessee Department of Labor and Workforce Development, Research and Statistics Division