Occupation Overview

Collin College

2200 West University Drive
McKinney, Texas 75070
972.377.1793

Parameters

Occupations

Code	Description
15-1122	Information Security Analysts

Regions

Code	Description
48085	Collin County, TX
48397	Rockwall County, TX

Timeframe

2014 - 2020

Datarun

2014.3 – QCEW Employees

Information Security Analysts in 2 Counties

Information Security Analysts (SOC 15-1122): Plan, implement, upgrade, or monitor security measures for the protection of computer networks and information. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure. May respond to computer security breaches and viruses. Excludes “Computer Network Architects” (15-1143).

Related O*NET Occupation:
Information Security Analysts (15-1122.00)

Occupation Summary for Information Security Analysts

421	+29.9%	$45.10/hr
Jobs (2014)	% Change (2014-2020)	Median Earnings
90% above National average	Nation: +21.4%	Nation: $42.59/hr

Growth for Information Security Analysts (15-1122)

421	547	126	29.9%
2014 Jobs	2020 Jobs	Change (2014-2020)	% Change (2014-2020)

Percentile Earnings for Information Security Analysts (15-1122)

$35.05/hr	$45.10/hr	$56.67/hr
25th Percentile Earnings	Median Earnings	75th Percentile Earnings

Regional Trends

	Region	2014 Jobs	2020 Jobs	% Change
●	Region	421	547	29.9%
■	State	6,981	8,604	23.2%
▲	Nation	81,157	98,562	21.4%

Regional Breakdown

County	2020 Jobs
Collin County, TX	538
Rockwall County, TX	<10

Job Postings Summary

74	6 : 1
Unique Postings (Aug 2014) 447 Total Postings	Posting Intensity (Aug 2014) Regional Average: 5 : 1

There were 447 total job postings for *Information Security Analysts* in August 2014, of which 74 were unique. These numbers give us a Posting Intensity of 6-to-1, meaning that for every 6 postings there is 1 unique job posting.

This is close to the Posting Intensity for all other occupations and companies in the region (5-to-1), indicating they are putting average effort toward hiring this position.

Occupation Gender Breakdown

Gender	2014 Jobs	2014 Percent
Male	242	57.5%
Female	179	42.5%

Occupation Age Breakdown

Age Group	2014 Jobs	2014 Percent
14-18	2	0.5%
19-24	21	5.1%
25-34	99	23.5%
35-44	125	29.7%
45-54	109	25.8%
55-64	54	12.8%
65+	11	2.7%

National Educational Attainment

EducationLevel	2014 Percent
Less than high school diploma	0.6%
High school diploma or equivalent	6.4%
Some college, no degree	22.0%
Associate's degree	14.4%
Bachelor's degree	34.0%
Master's degree	21.0%
Doctoral or professional degree	1.6%

Occupational Programs

8	66	29
Programs (2013)	Completions (2013)	Openings (2013)

CIP Code	Program	Completions (2013)
11.0901	Computer Systems Networking and Telecommunications	18
11.0101	Computer and Information Sciences, General	18
11.0801	Web Page, Digital/Multimedia and Information Resources Design	8
11.1003	Computer and Information Systems Security/Information Assurance	7
11.1002	System, Networking, and LAN/WAN Management/Manager	6

Industries Employing Information Security Analysts

Industry	Occupation Jobs in Industry (2014)	% of Occupation in Industry (2014)	% of Total Jobs in Industry (2014)
Computer Systems Design Services	81	19.3%	1.1%
Custom Computer Programming Services	64	15.2%	1.1%
Data Processing, Hosting, and Related Services	58	13.7%	0.9%
Commercial Banking	28	6.6%	0.5%
Corporate, Subsidiary, and Regional Managing Offices	20	4.8%	0.3%

Appendix A - Data Sources and Calculations

State Data Sources

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

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.

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.

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.

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.

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.