

# 19 Occupations in Chicago-Naperville-Elgin, IL-IN-WI

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## What is Lightcast Data?

Lightcast data is a hybrid dataset derived from official government sources such as the US Census Bureau, Bureau of Economic Analysis, and Bureau of Labor Statistics. Leveraging the unique strengths of each source, our data modeling team creates an authoritative dataset that captures more than 99% of all workers in the United States. This core offering is then enriched with data from online social profiles, resumé, and job postings to give you a complete view of the workforce.

Lightcast data is frequently cited in major publications such as *The Atlantic*, *Forbes*, *Harvard Business Review*, *The New York Times*, *The Wall Street Journal*, and *USA Today*.



## Report Parameters

### 19 Occupations

11-3021 Computer and Information Systems  
Managers

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15-1211 Computer Systems Analysts

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15-1212 Information Security Analysts

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15-1221 Computer and Information Research  
Scientists

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15-1231 Computer Network Support Specialists

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15-1232 Computer User Support Specialists

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15-1241 Computer Network Architects

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15-1242 Database Administrators

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15-1243 Database Architects

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*See Appendix A for all 19 Occupations*

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### 1 MSA

16980 Chicago-Naperville-Elgin, IL-IN-WI

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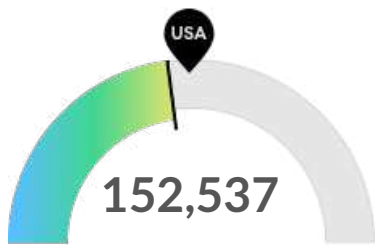
### Class of Worker

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

The information in this report pertains to the chosen occupations and geographical area.

## Executive Summary

### Aggressive Job Posting Demand Over a Thin Supply of Regional Jobs



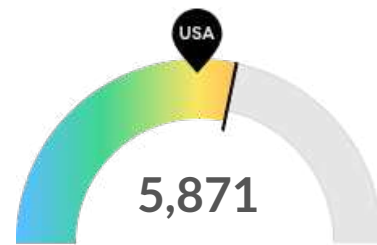
**Jobs (2024)**

Chicago-Naperville-Elgin, IL-IN-WI is not a hotspot for this kind of job. The national average for an area this size is 172,587\* employees, while there are 152,537 here.



**Compensation**

Earnings are about average in Chicago-Naperville-Elgin, IL-IN-WI. The national median salary for your occupations is \$109,737, compared to \$109,661 here.



**Job Posting Demand**

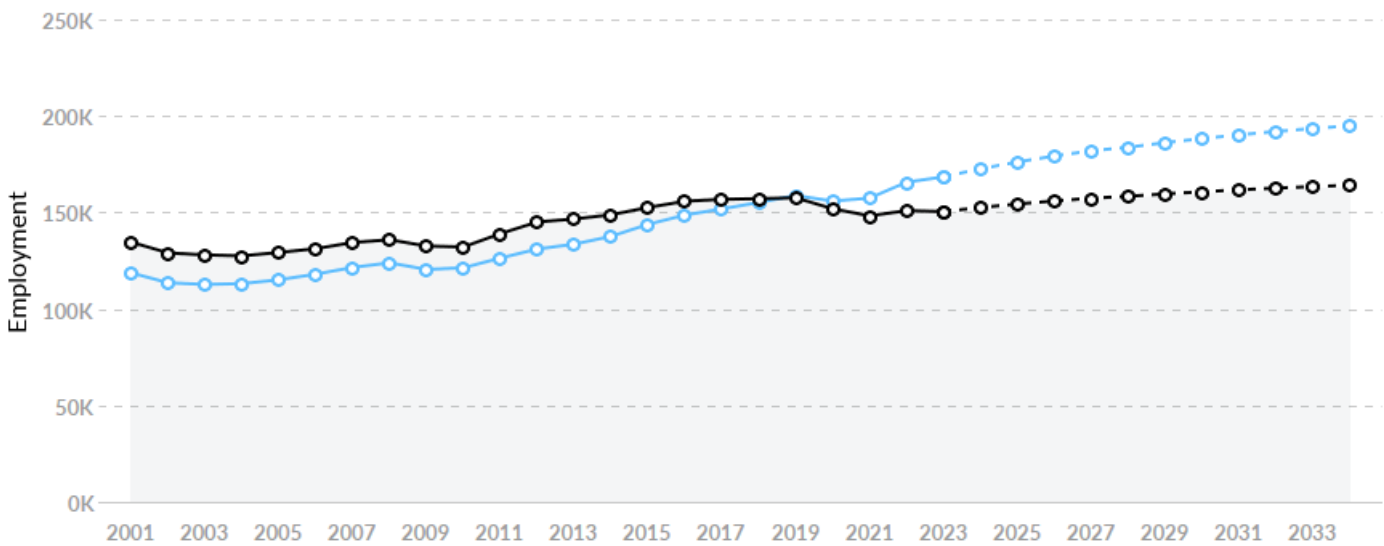
Job posting activity is high in Chicago-Naperville-Elgin, IL-IN-WI. The national average for an area this size is 4,880\* job postings/mo, while there are 5,871 here.

\*National average values are derived by taking the national value for your occupations and scaling it down to account for the difference in overall workforce size between the nation and Chicago-Naperville-Elgin, IL-IN-WI. In other words, the values represent the national average adjusted for region size.

# Jobs

## Regional Employment Is Lower Than the National Average

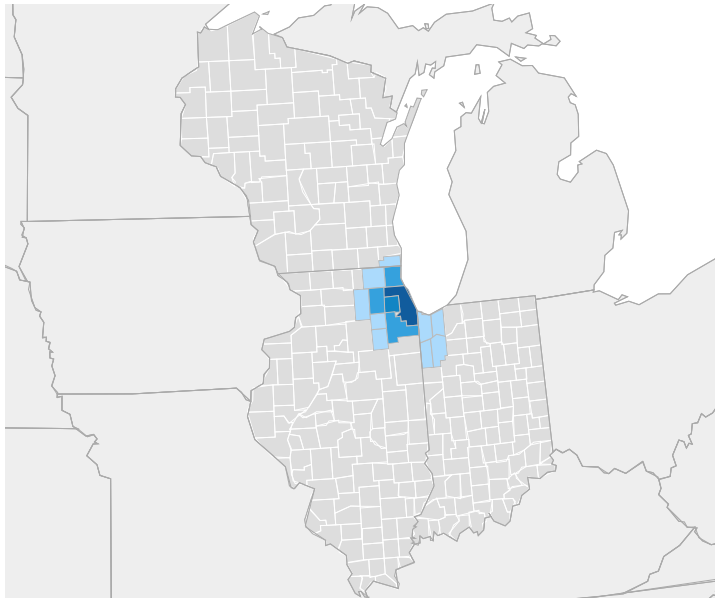
An average area of this size typically has 172,587\* jobs, while there are 152,537 here. This lower than average supply of jobs may make it more difficult for workers in this field to find employment in your area.



Region	2024 Jobs	2033 Jobs	Change	% Change
● Chicago-Naperville-Elgin, IL-IN-WI	152,537	163,379	10,841	7.1%
● National Average	172,587	193,485	20,898	12.1%

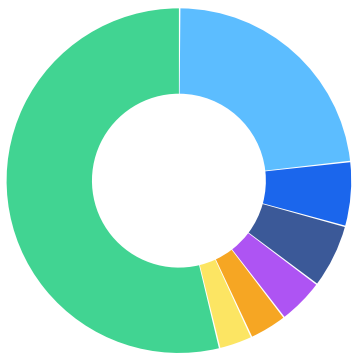
\*National average values are derived by taking the national value for your occupations and scaling it down to account for the difference in overall workforce size between the nation and Chicago-Naperville-Elgin, IL-IN-WI. In other words, the values represent the national average adjusted for region size.

## Regional Breakdown



County	2024 Jobs
Cook County, IL	92,183
DuPage County, IL	28,056
Lake County, IL	11,731
Will County, IL	5,729
Kane County, IL	5,408

## Most Jobs are Found in the Computer Systems Design and Related Services Industry Sector

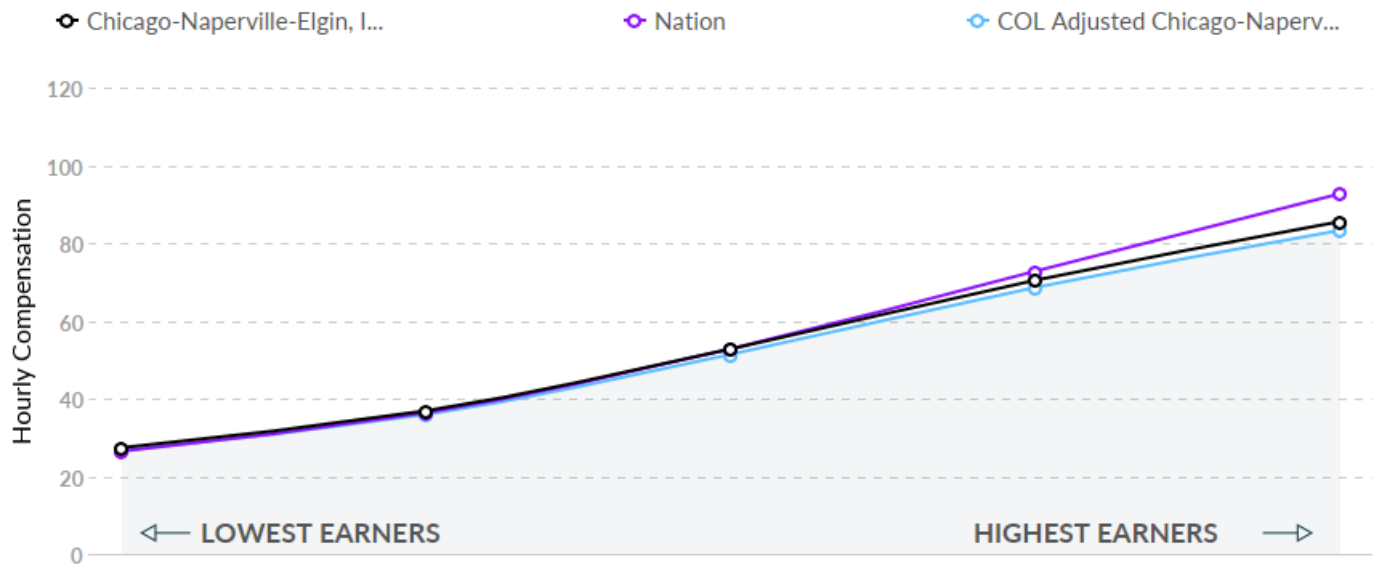


Industry	% of Occupation in Industry (2024)
Computer Systems Design and Related Services	23.2%
Management, Scientific, and Technical Consulting Services	6.0%
Management of Companies and Enterprises	6.0%
Employment Services	4.3%
Depository Credit Intermediation	3.5%
Data Processing, Hosting, and Related Services	3.1%
Other	53.9%

# Compensation

## Regional Compensation Is the Same Cost as the Nation

For your occupations, the 2023 median wage in Chicago-Naperville-Elgin, IL-IN-WI is \$52.72/hr, while the national median wage is \$52.76/hr.



# Job Posting Activity



**41,095 Unique Job Postings**

The number of unique postings for this job from Jan 2024 to Jul 2024.



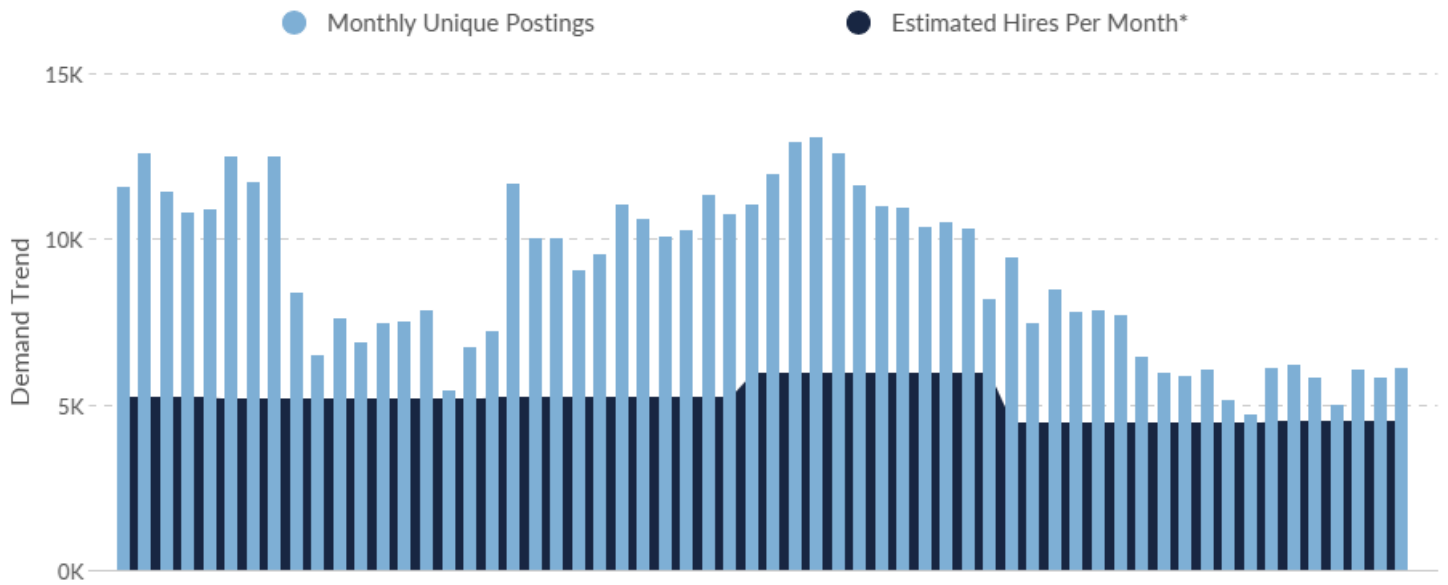
**7,224 Employers Competing**

All employers in the region who posted for this job from Jan 2024 to Jul 2024.



**20 Day Median Duration**





















Posting duration is 4 days shorter than what's typical in the region.



Occupation	Avg Monthly Postings (Jan 2024 - Jul 2024)	Avg Monthly Hires (Jan 2024 - Jul 2024)
Software Developers	1,681	1,268
Computer Occupations, All Other	1,475	287
Computer User Support Specialists	550	612
Database Administrators	320	75
Web Developers	172	66

\*A hire is reported by the Quarterly Workforce Indicators when an individual's Social Security Number appears on a company's payroll and was not there the quarter before. Lightcast hires are calculated using a combination of Lightcast jobs data, information on separation rates from the Bureau of Labor Statistics (BLS), and industry-based hires data from the Census Bureau.

Occupation	Avg Monthly Postings (Jan 2024 - Jul 2024)	Avg Monthly Hires (Jan 2024 - Jul 2024)
Database Architects	303	37
Computer Systems Analysts	251	376
Computer Network Architects	210	126
Web and Digital Interface Designers	170	100
Network and Computer Systems Administrators	145	192
Operations Research Analysts	153	130
Software Quality Assurance Analysts and Testers	108	201
Information Security Analysts	146	136
Computer Programmers	50	51
Computer and Information Systems Managers	85	607
Statisticians	21	16
Computer Network Support Specialists	18	208
Computer and Information Research Scientists	11	19
Mathematicians	1	0

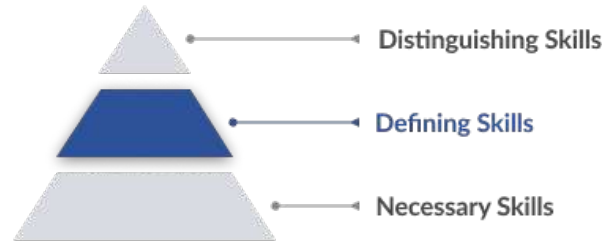
Top Companies	Unique Postings	Top Job Titles	Unique Postings
Uline	1,296 	Software Engineers	643 
Discover Financial Services	569 	Data Engineers	473 
TEKsystems	512 	Network Engineers	375 
Allegis Group	499 	Software Developers	364 
Walgreens Boots Alliance	461 	IT Project Managers	303 
Randstad	431 	Solutions Architects	299 
Epsilon	428 	DevOps Engineers	264 
Insight Global	408 	Systems Engineers	247 
Robert Half	400 	Business Systems Analysts	242 
Deloitte	396 	IT Managers	241 

## Top Distinguishing Skills by Demand

Not enough data to display Distinguishing Skills for this occupation.

## Top Defining Skills by Demand

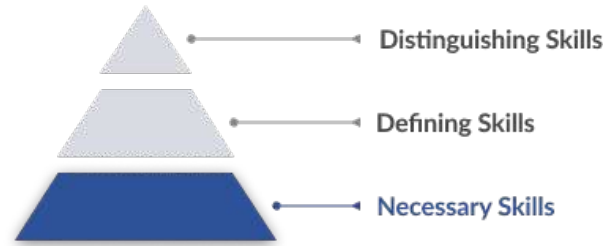
An occupation's Defining Skills represent the day-to-day tasks and responsibilities of the job. An employee needs these skills to qualify for and perform successfully in this occupation.



Skill	Salary Boosting	Job Postings Requesting	Projected Growth	Growth Relative to Market
Computer Science	✓	12,235	+26.8%	Rapidly Growing
Agile Methodology	✓	8,030	+19.8%	Rapidly Growing
SQL (Programming Language)	✓	7,458	+6.4%	Stable
Project Management	✗	7,153	+19.8%	Rapidly Growing
Automation	✗	6,365	+30.5%	Rapidly Growing
Microsoft Azure	✓	6,073	+28.9%	Rapidly Growing
Python (Programming Language)	✓	5,916	+24.5%	Rapidly Growing
Amazon Web Services	✗	5,881	+24.0%	Rapidly Growing
Java (Programming Language)	✗	5,072	+17.4%	Growing
Application Programming Interface (API)	✗	4,911	+9.5%	Growing

## Top Necessary Skills by Demand

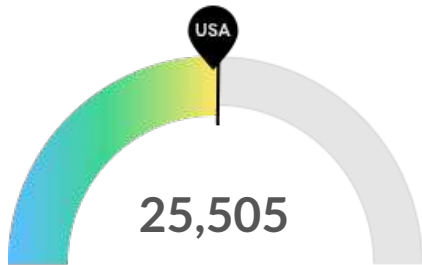
An occupation's Necessary Skills are the specialized skills required for that job and relevant across other similar jobs. An employee needs these skills as building blocks to perform the more complex Defining Skills.



Skill	Salary Boosting	Job Postings Requesting	Projected Growth	Growth Relative to Market
Computer Science	✓	12,235	+26.8%	Rapidly Growing
Agile Methodology	✓	8,030	+19.8%	Rapidly Growing
SQL (Programming Language)	✓	7,458	+6.4%	Stable
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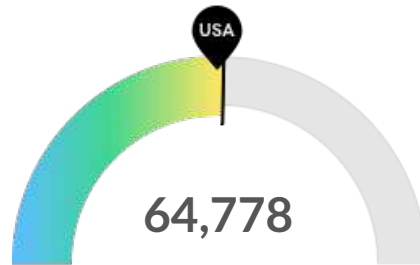
# Demographics

## Retirement Risk Is About Average, While Overall Diversity Is About Average



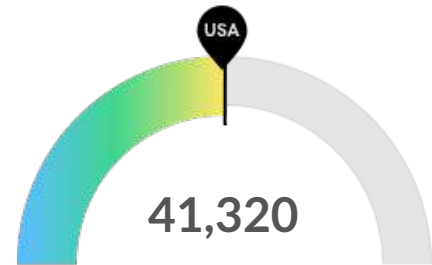
**Retiring Soon**

Retirement risk is about average in Chicago-Naperville-Elgin, IL-IN-WI. The national average for an area this size is 25,123\* employees 55 or older, while there are 25,505 here.



**Racial Diversity**

Racial diversity is about average in Chicago-Naperville-Elgin, IL-IN-WI. The national average for an area this size is 63,427\* racially diverse employees, while there are 64,778 here.

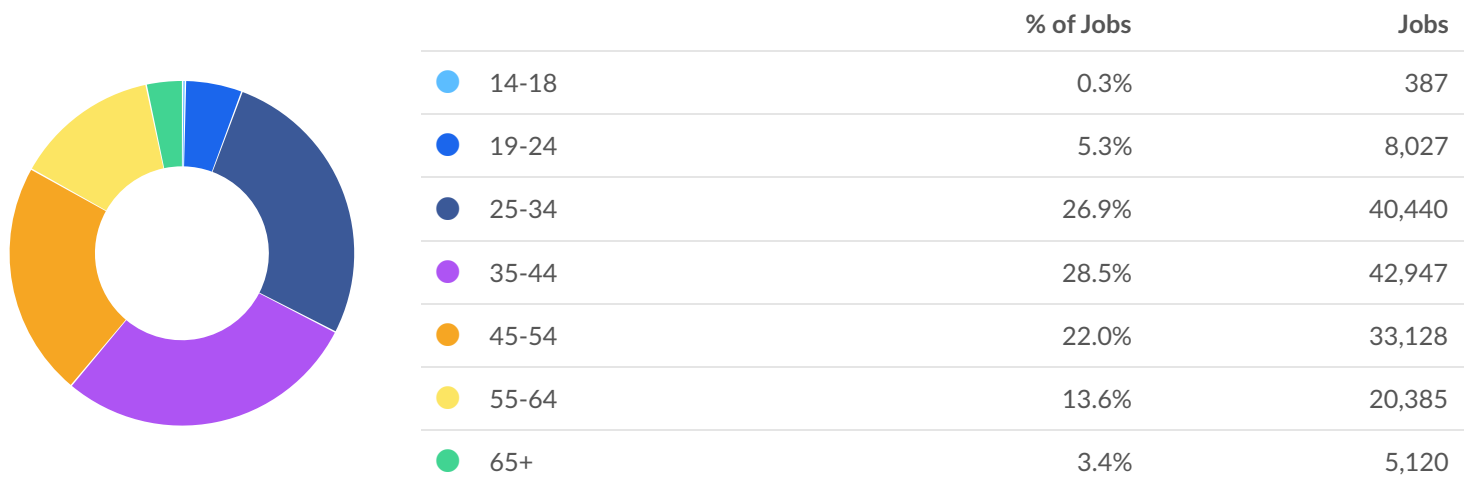


**Gender Diversity**

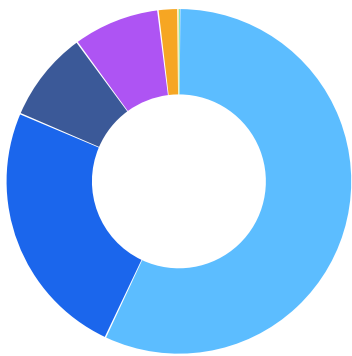
Gender diversity is about average in Chicago-Naperville-Elgin, IL-IN-WI. The national average for an area this size is 41,146\* female employees, while there are 41,320 here.

\*National average values are derived by taking the national value for your occupations and scaling it down to account for the difference in overall workforce size between the nation and Chicago-Naperville-Elgin, IL-IN-WI. In other words, the values represent the national average adjusted for region size.

## Occupation Age Breakdown

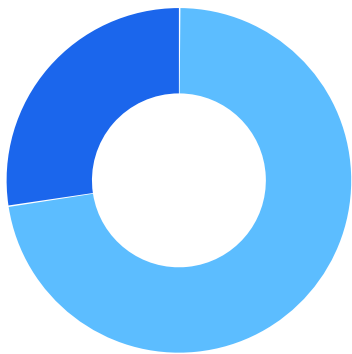


### Occupation Race/Ethnicity Breakdown



	% of Jobs	Jobs
White	56.9%	85,657
Asian	24.4%	36,719
Hispanic or Latino	8.5%	12,830
Black or African American	8.1%	12,194
Two or More Races	1.9%	2,796
American Indian or Alaska Native	0.1%	139
Native Hawaiian or Other Pacific Islander	0.1%	100

### Occupation Gender Breakdown



	% of Jobs	Jobs
Males	72.5%	109,114
Females	27.5%	41,320

# Occupational Programs



**132 Programs**

Of the programs that can train for this job, 132 have produced completions in the last 5 years.



**56,194 Completions (2023)**

The completions from all regional institutions for all degree types.



**11,126 Openings (2023)**

The average number of openings for an occupation in the region is 749.

CIP Code	Top Programs	Completions (2023)
24.0101	Liberal Arts and Sciences/Liberal Studies	13,056
52.0201	Business Administration and Management, General	5,260
52.1301	Management Science	4,191
51.0707	Health Information/Medical Records Technology/Technician	3,853
11.0103	Information Technology	3,751
11.0701	Computer Science	2,729
26.0101	Biology/Biological Sciences, General	1,780
24.0102	General Studies	1,712
52.0101	Business/Commerce, General	1,417
52.1401	Marketing/Marketing Management, General	1,115

Top Schools	Completions (2023)	
DeVry University-Illinois	10,473	
Northwestern University	4,391	
University of Chicago	4,322	
University of Illinois Chicago	3,378	
DePaul University	2,698	
College of Lake County	2,328	
William Rainey Harper College	2,249	
Loyola University Chicago	1,723	
Moraine Valley Community College	1,331	
Northern Illinois University	1,259	

## Appendix A (Occupations)

Code	Description
11-3021	Computer and Information Systems Managers
15-1211	Computer Systems Analysts
15-1212	Information Security Analysts
15-1221	Computer and Information Research Scientists
15-1231	Computer Network Support Specialists
15-1232	Computer User Support Specialists
15-1241	Computer Network Architects
15-1242	Database Administrators
15-1243	Database Architects
15-1244	Network and Computer Systems Administrators

Code	Description
15-1251	Computer Programmers
15-1252	Software Developers
15-1253	Software Quality Assurance Analysts and Testers
15-1254	Web Developers
15-1255	Web and Digital Interface Designers
15-1299	Computer Occupations, All Other
15-2021	Mathematicians
15-2041	Statisticians
15-2031	Operations Research Analysts