

Machinists*

in Jefferson County, CO

*Job titles used in government data sources are slightly different from the one you've chosen. This report uses data from the closest matching official classifications (listed below) as a proxy for Machinists data.

Machinists



Colorado

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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, resumés, 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*.

 The Atlantic Forbes Harvard Business Review The New York Times WSJ USA TODAY

Report Parameters

1 Job Title

Machinists

1 County

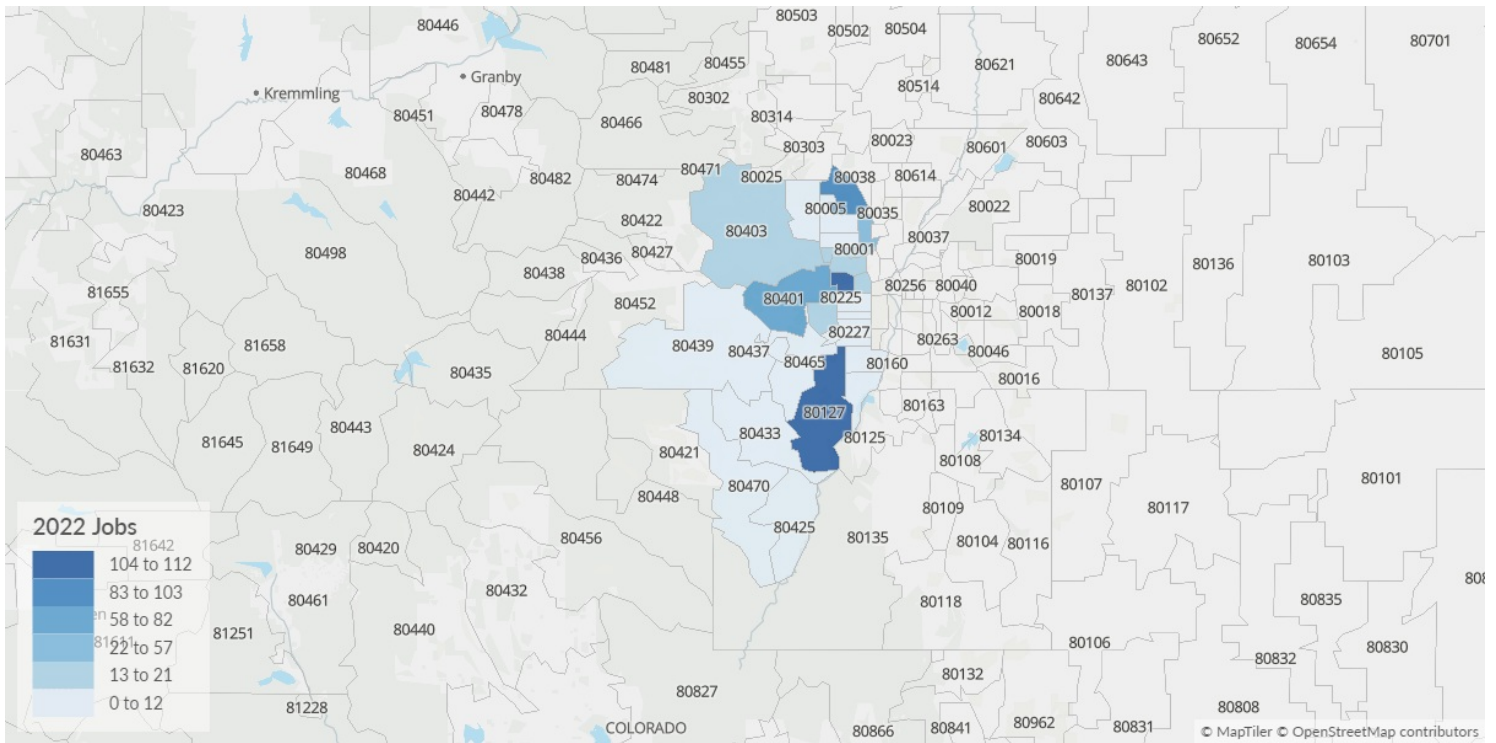
8059 Jefferson County, CO

Class of Worker

QCEW Employees

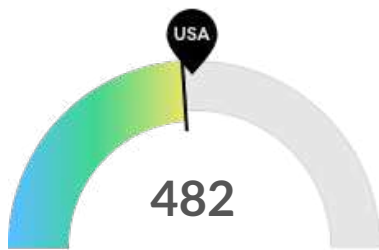
The information in this report pertains to the chosen job title and geographical area.

Workforce Map



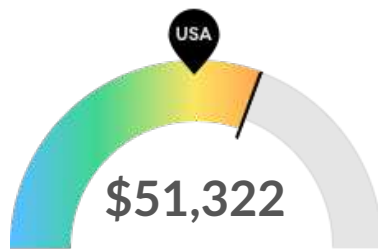
Executive Summary

Aggressive Hiring Competition Over an Average Supply of Regional Talent



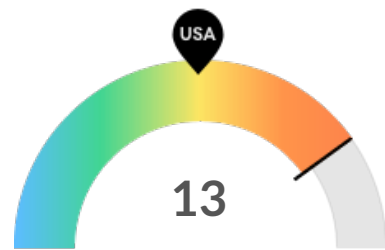
Supply (Jobs)

Jefferson County, CO is about average for this kind of talent. The national average for an area this size is 512* employees, while there are 482 here.



Compensation

The cost for talent is high in Jefferson County, CO. The national median salary for Machinists is \$48,506, while you'll pay \$51,322 here.



Demand (Job Postings)

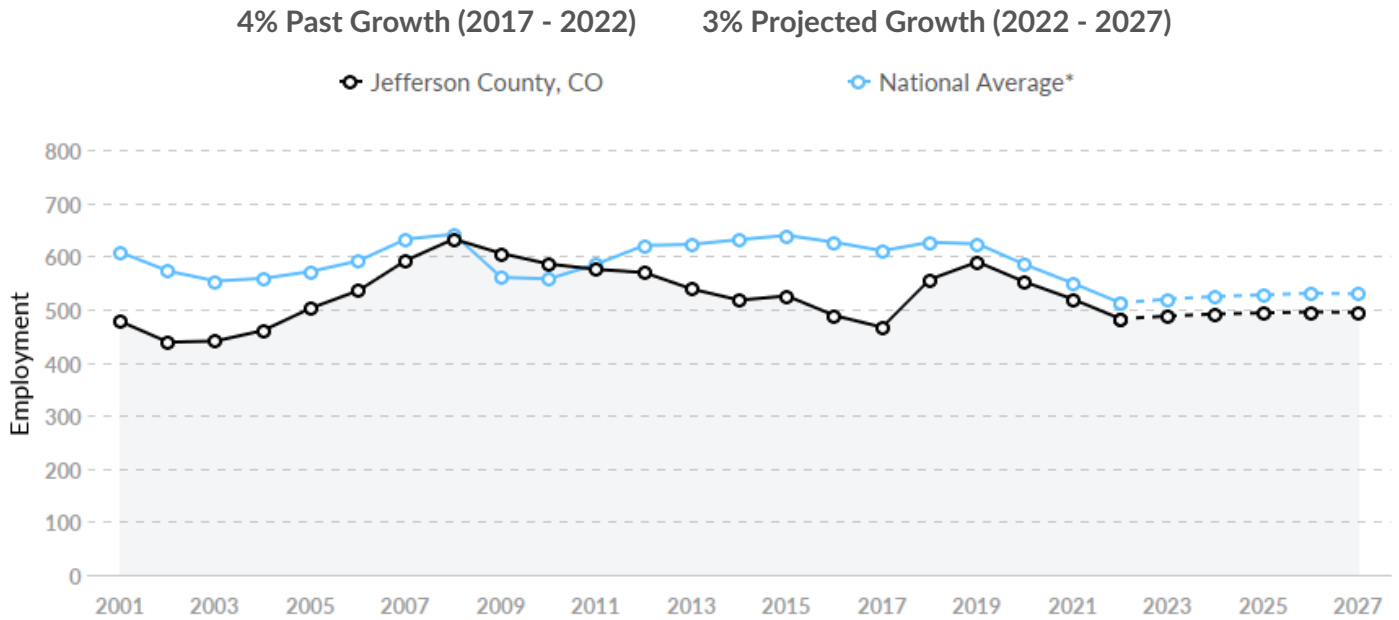
Competition from online job postings is high in Jefferson County, CO. The national average for an area this size is 5* job postings/mo, while there are 13 here.

*National average values are derived by taking the national value for Machinists and scaling it down to account for the difference in overall workforce size between the nation and Jefferson County, CO. In other words, the values represent the national average adjusted for region size.

Supply (Jobs)

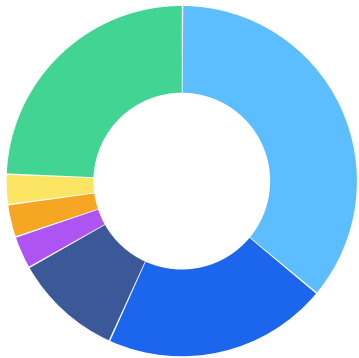
Supply Is About Equal to the National Average








The regional vs. national average employment helps you understand if the supply of Machinists is a strength or weakness for Jefferson County, CO, and how it is changing relative to the nation. An average area of this size would have 512* employees, while there are 482 here. The gap between expected and actual employment is expected to increase over the next 5 years.



*National average values are derived by taking the national value for Machinists and scaling it down to account for the difference in overall workforce size between the nation and Jefferson County, CO. In other words, the values represent the national average adjusted for region size.

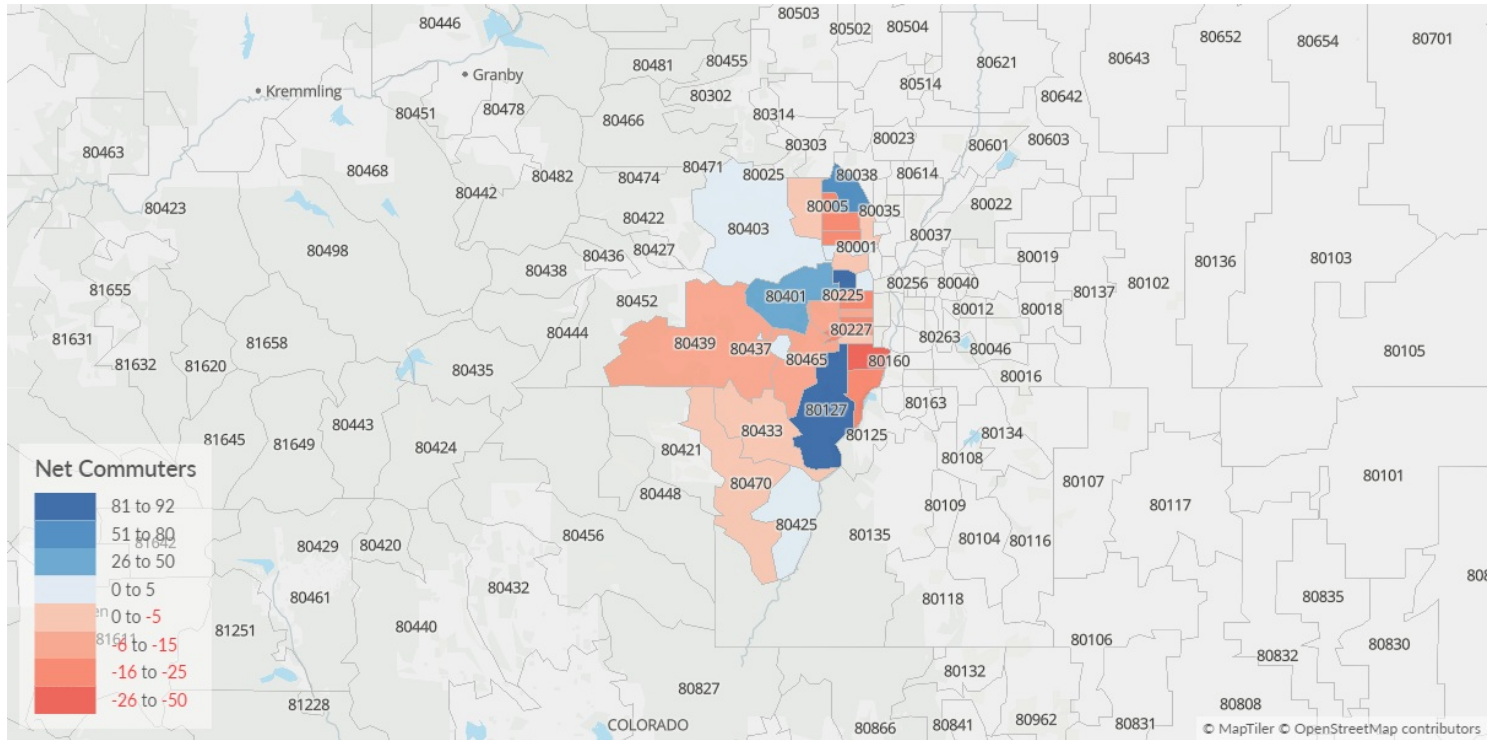
Most Jobs are Found in the Aerospace Product and Parts Manufacturing Industry Sector



Industry	% of Occupation in Industry (2022)
 Aerospace Product and Parts Manufacturing	36.0%
 Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing	20.7%
 Medical Equipment and Supplies Manufacturing	10.0%
 Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	3.0%
 Other General Purpose Machinery Manufacturing	3.0%
 Employment Services	2.8%
 Other	24.4%

Place of Work vs Place of Residence

Understanding where talent in Jefferson County, CO currently works compared to where talent lives can help you optimize site decisions. For example, the #1 ranked ZIP for employment ranks #2 for resident workers. The top ZIP for resident workers is 80021.



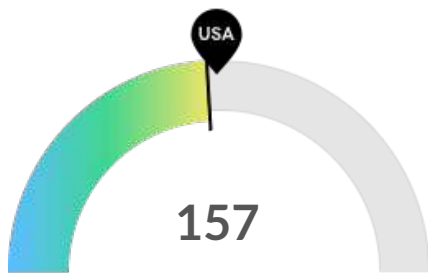
Where Talent Works

ZIP	Name	2022 Employment
80127	Littleton, CO (in Jefferso...	112
80215	Denver, CO (in Jefferso...	104
80021	Broomfield, CO (in Jeffe...	83
80401	Golden, CO (in Jefferso...	58
80003	Arvada, CO (in Jefferson...	22

Where Talent Lives

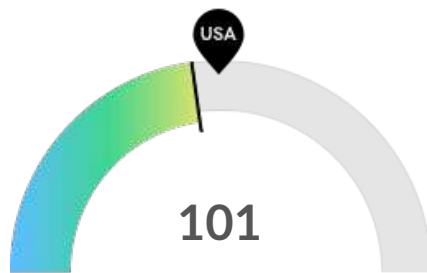
ZIP	Name	2022 Workers
80021	Broomfield, CO (in Jeffe...	32
80127	Littleton, CO (in Jefferso...	31
80123	Littleton, CO (in Jefferso...	28
80003	Arvada, CO (in Jefferson...	25
80004	Arvada, CO (in Jefferson...	25

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



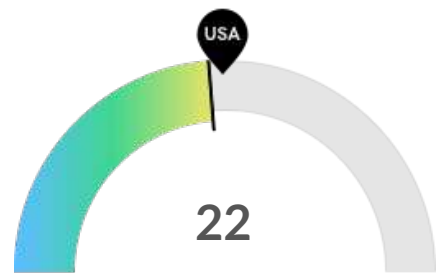
Retiring Soon

Retirement risk is about average in Jefferson County, CO. The national average for an area this size is 166* employees 55 or older, while there are 157 here.



Racial Diversity

Racial diversity is low in Jefferson County, CO. The national average for an area this size is 115* racially diverse employees, while there are 101 here.



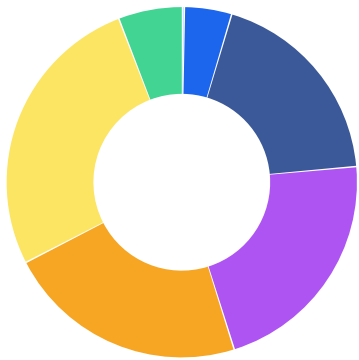
Gender Diversity

Gender diversity is about average in Jefferson County, CO. The national average for an area this size is 23* female employees, while there are 22 here.

*National average values are derived by taking the national value for Machinists and scaling it down to account for the difference in overall workforce size between the nation and Jefferson County, CO. In other words, the values represent the national average adjusted for region size.

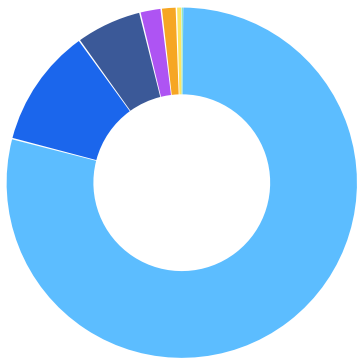
Demographic Details

Occupation Age Breakdown



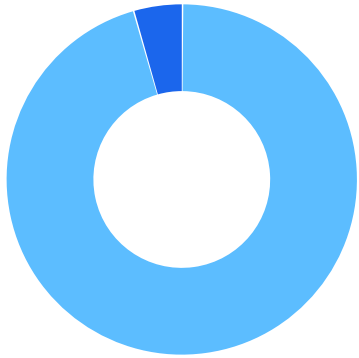
		% of Jobs	Jobs
●	14-18	0.2%	1
●	19-24	4.4%	21
●	25-34	19.0%	91
●	35-44	21.6%	104
●	45-54	22.3%	107
●	55-64	26.7%	129
●	65+	5.9%	29

Occupation Race/Ethnicity Breakdown



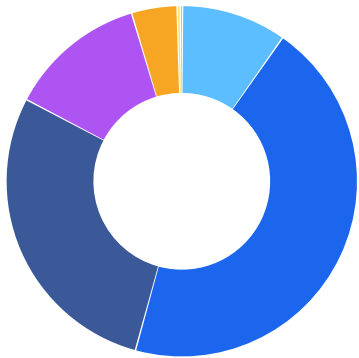
		% of Jobs	Jobs
●	White	79.0%	381
●	Hispanic or Latino	11.0%	53
●	Asian	6.1%	29
●	Black or African American	2.0%	9
●	Two or More Races	1.4%	7
●	American Indian or Alaska Native	0.5%	2
●	Native Hawaiian or Other Pacific Islander	0.1%	0

Occupation Gender Breakdown



	% of Jobs	Jobs
● Males	95.5%	460
● Females	4.5%	22

National Educational Attainment

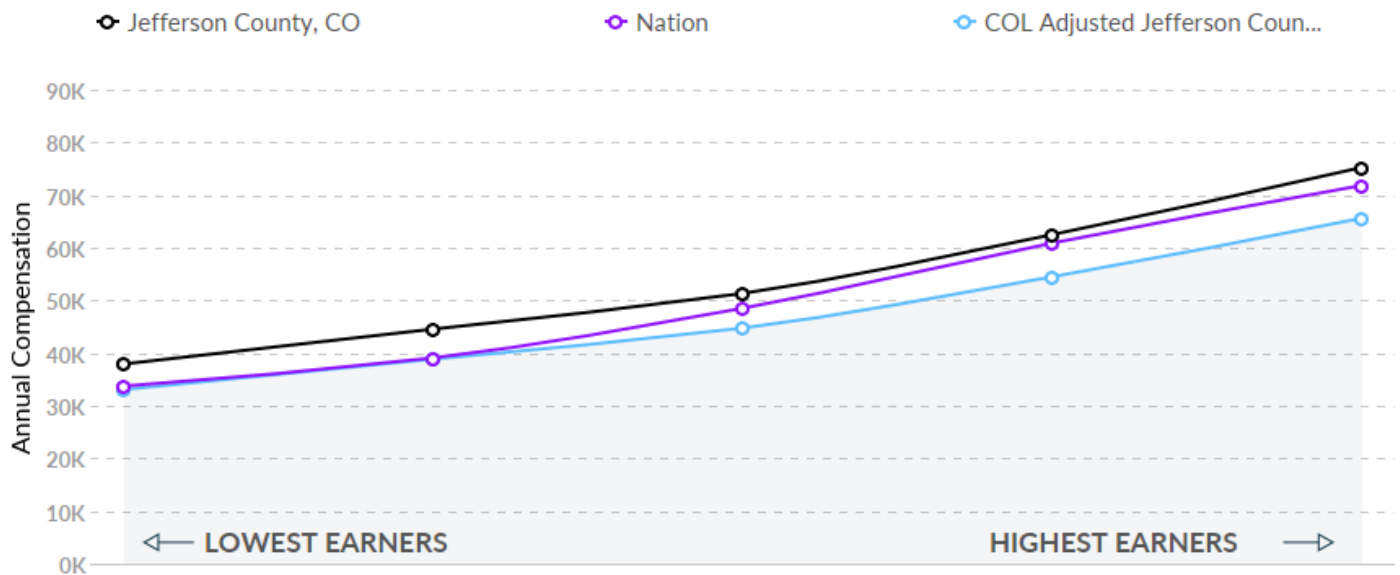


	% of Jobs
● Less than high school diploma	9.7%
● High school diploma or equivalent	44.5%
● Some college, no degree	28.4%
● Associate's degree	12.7%
● Bachelor's degree	4.2%
● Master's degree	0.3%
● Doctoral or professional degree	0.2%

Compensation

Talent Is 6% More Expensive, While the Cost of Living May Make Attraction Difficult

In 2022, the median compensation for Machinists in Jefferson County, CO is \$51,322. Based on the national median wage of \$48,506 for this position, this means you will spend about 6% more to employ Machinists here. However, their actual purchasing power will be 8% less than the national median when we adjust for regional cost of living (which is 15% higher than average). This may make it harder to attract talent to the region at this price.



Demand



38 Employers Competing

All employers in the region who posted for this job over the last 12 months.



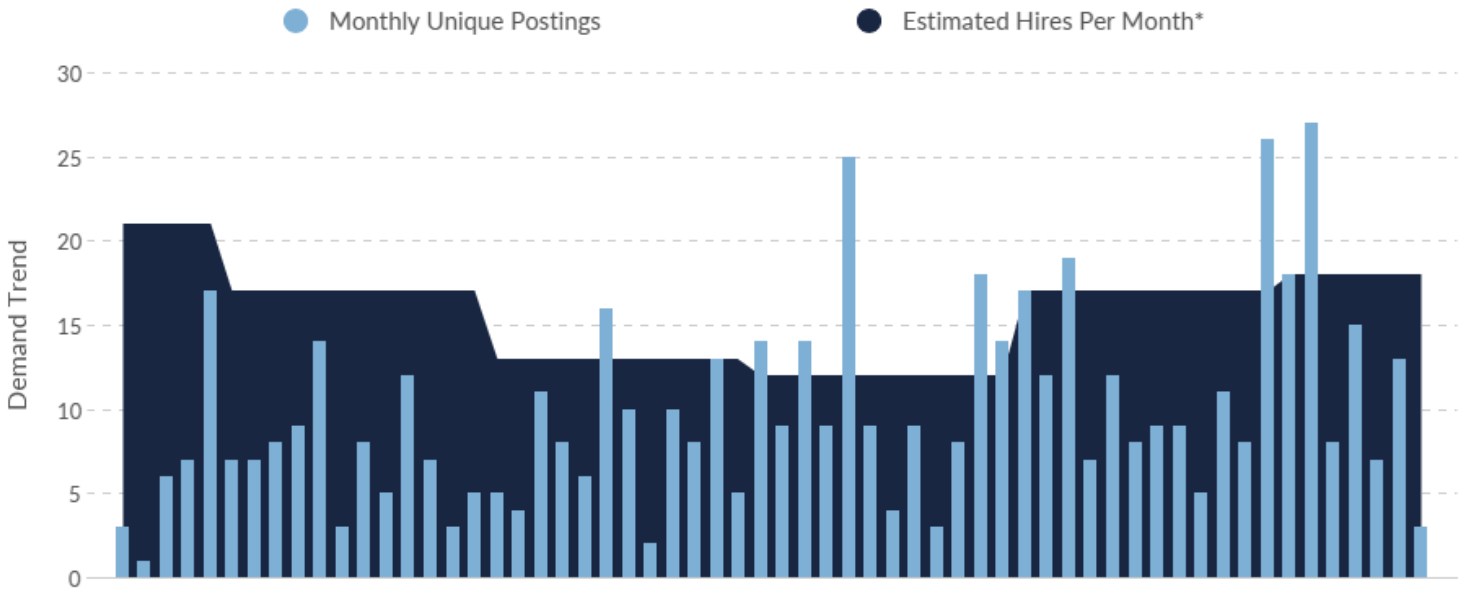
150 Unique Job Postings

The number of unique postings for this job over the last 12 months.



28 Day Median Duration

Posting duration is 2 days shorter than what's typical in the region.



Occupation	Avg Monthly Postings (Aug 2022 - Jul 2023)	Avg Monthly Hires (Aug 2022 - Jul 2023)
Machinists	13	18

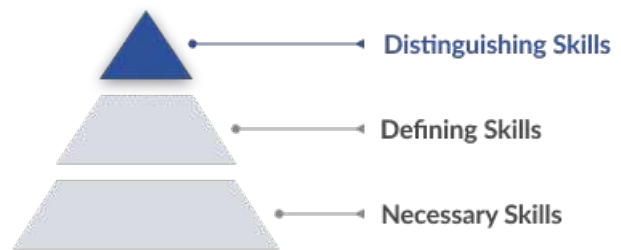
*A hire is reported by the Quarterly Workforce Indicators when an individual's Social Security Number appears on a company's payroll and was not there the quarter before. Lightcast hires are calculated using a combination of Lightcast jobs data, information on separation rates from the Bureau of Labor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

Top Companies	Unique Postings
Sundyne	40
Aerotek	12
Leidos	12
Lockheed Martin	12
CyberCoders	6

Top Job Titles	Unique Postings
CNC Machinists	69
Machinists	40
CNC Mill Machinists	6
Lathe Machinists	5
Machinist Mates	4

Top Distinguishing Skills by Demand

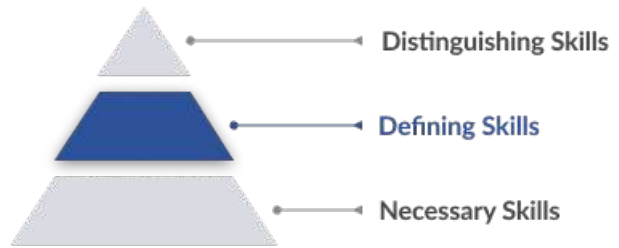
An occupation's Distinguishing Skills are the advanced skills that are called for occasionally. An employee with these skills is likely more specialized and able to differentiate themselves from others in the same role.



Skill	Salary Boosting	Job Postings Requesting
Mastercam (CAD/CAM Software)		195
Dial Indicators		144
Computer-Aided Manufacturing		71
Speeds And Feeds		54
Indicators (Measuring Device)		43
Fanuc Controllers		30
Height Gauges		27
Numerical Controls		27
Tapping		24
Vertical Milling		17

Top Defining Skills by Demand

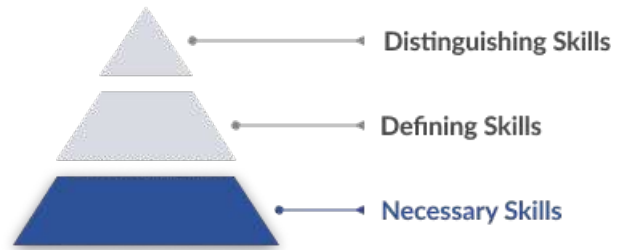
An occupation's Defining Skills represent the day-to-day tasks and responsibilities of the job. An employee needs these skills to qualify for and perform successfully in this occupation.



Skill	Salary Boosting	Job Postings Requesting
Machining	✘	646
Lathes	✘	476
Tooling	✘	449
Computer Numerical Control (CNC)	✘	395
Mills	✘	386
Machine Tools	✘	357
Micrometer	✘	339
Metal Lathes	✘	243
CNC Milling	✔	228
CNC Machining	✘	223

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.

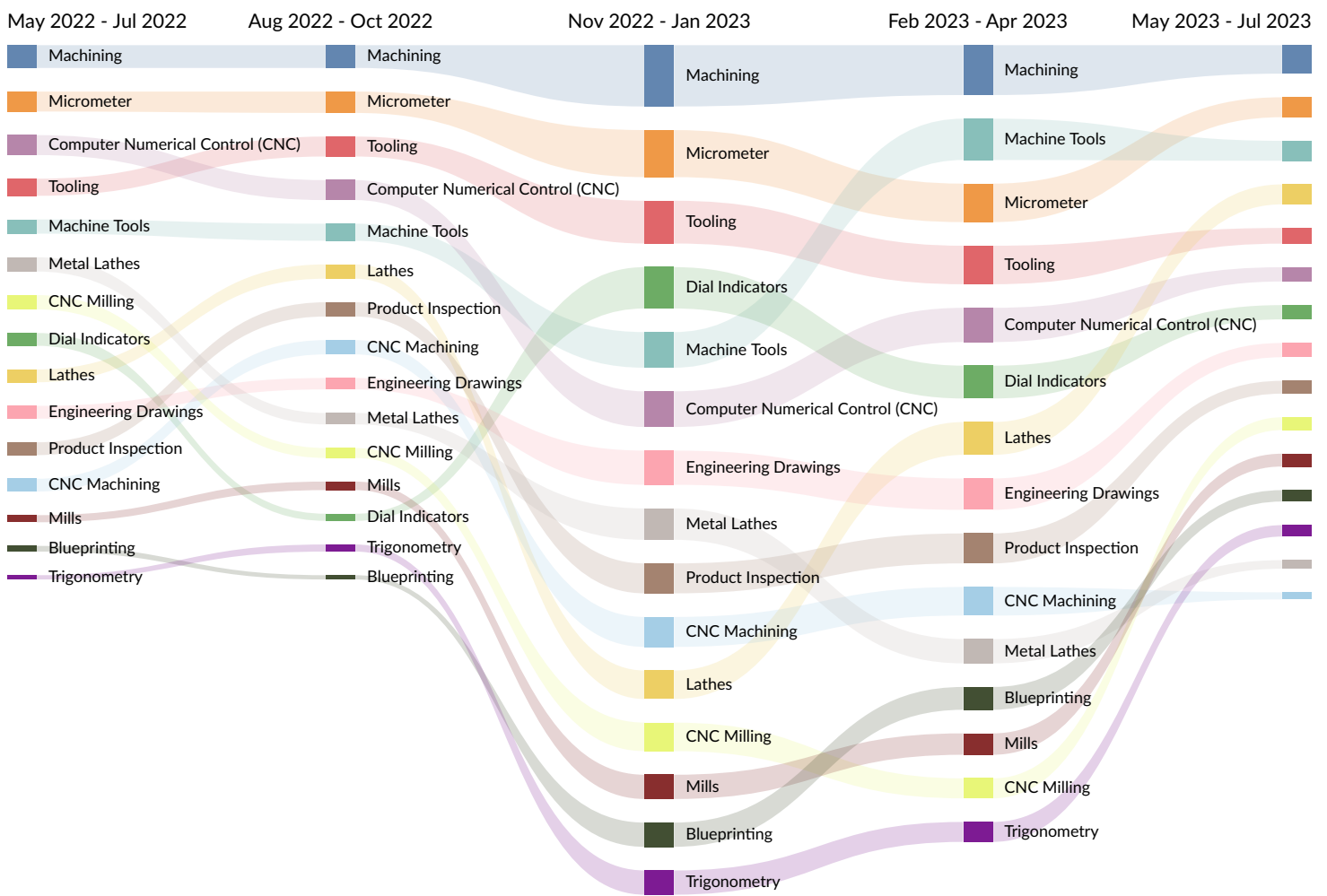


Skill	Salary Boosting	Job Postings Requesting
Grinding Machine	✘	112
Hand Tools	✘	91
Machine Operation	✘	89
Machinery	✘	75
Drilling	✘	67
Grinding	✘	63
Fabrication	✘	51
Housekeeping	✘	49
Drill Press	✘	45
Blueprint Reading	✘	37

What skills are they posting for?

Top 15 Skills for Machinists by Quarter

Skills help us understand the direction an occupation is headed.



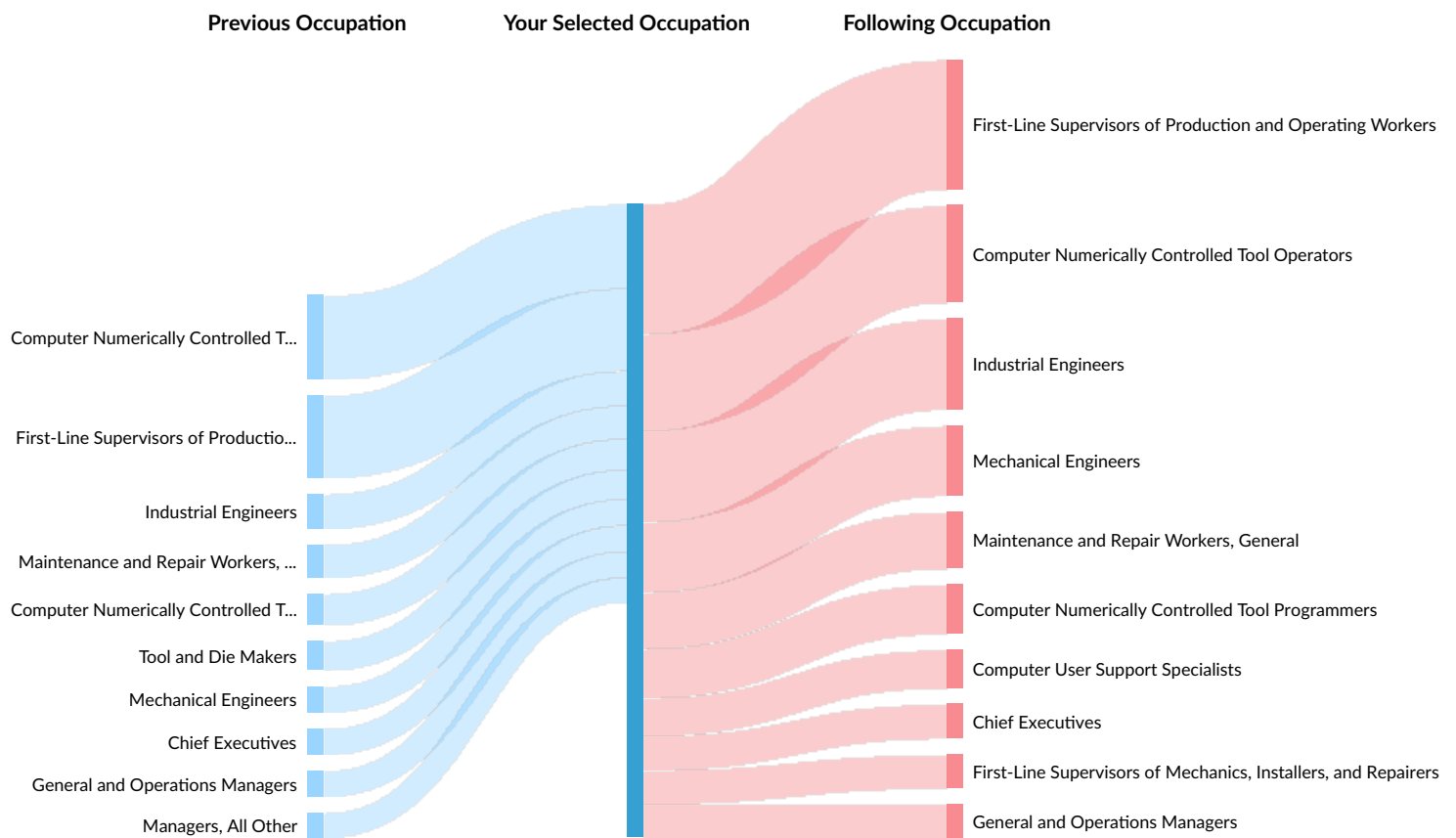
Occupation Gain and Drain

Occupation Gain and Drain

The table below analyzes the profiles of current and past people in your selected occupation. The left column shows job transitions from other occupations to your selected occupation. The right column shows job transitions from your selected occupation to other occupations.

Please note, results are only available at the national level and the 2 and 5 digit SOC level. Other SOC levels will be converted to 5-digit SOC. Also your selection has been limited to 100 occupations.

The following represents the job transitions of employees in your selected occupation in the United States:



Previous Occupations	Transitions
Computer Numerically Controlled Tool Operators	909
First-Line Supervisors of Production and Operating Workers	891
Industrial Engineers	374

Previous Occupations	Transitions
Maintenance and Repair Workers, General	357
Computer Numerically Controlled Tool Programmers	336
Tool and Die Makers	315
Mechanical Engineers	284
Chief Executives	281
General and Operations Managers	281
Managers, All Other	269
Packaging and Filling Machine Operators and Tenders	237
First-Line Supervisors of Office and Administrative Support Workers	228
Miscellaneous Assemblers and Fabricators	218
Retail Salespersons	214
Life, Physical, and Social Science Technicians, All Other	213
Postsecondary Teachers	207
Computer User Support Specialists	190
Customer Service Representatives	188
First-Line Supervisors of Mechanics, Installers, and Repairers	188
Inspectors, Testers, Sorters, Samplers, and Weighers	188
Welders, Cutters, Solderers, and Brazers	169
Teaching Assistants, Postsecondary	152
Stockers and Order Fillers	151
Industrial Engineering Technologists and Technicians	148
Industrial Machinery Mechanics	141
Software Developers	132
Laborers and Freight, Stock, and Material Movers, Hand	125
Industrial Production Managers	120

Previous Occupations	Transitions
Automotive Service Technicians and Mechanics	120
Computer Programmers	115
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	104
Sales Managers	103
Marketing Managers	94
Helpers--Production Workers	93
Production Workers, All Other	90
Social and Human Service Assistants	81
Business Operations Specialists, All Other	78
Electrical and Electronic Engineering Technologists and Technicians	77
Market Research Analysts and Marketing Specialists	77
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	76
Bus and Truck Mechanics and Diesel Engine Specialists	76
Teaching Assistants, Except Postsecondary	76
Engineering Technologists and Technicians, Except Drafters, All Other	74
Heavy and Tractor-Trailer Truck Drivers	72
Waiters and Waitresses	69
Public Relations Specialists	67
Computer Occupations, All Other	64
First-Line Supervisors of Retail Sales Workers	63
Carpenters	58
Project Management Specialists	58
Teachers and Instructors, All Other	57
Management Analysts	57

Previous Occupations	Transitions
Cashiers	56
Human Resources Specialists	56
Graphic Designers	55
Architectural and Engineering Managers	55
Fast Food and Counter Workers	54
First-Line Supervisors of Construction Trades and Extraction Workers	54
Electrical Engineers	53
Aircraft Mechanics and Service Technicians	53
First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	53
Coaches and Scouts	52
Light Truck Drivers	52
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	50
Biological Technicians	48
Medical Scientists, Except Epidemiologists	48
Security Guards	47
Financial Managers	46
Landscaping and Groundskeeping Workers	46
Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	45
Military-only occupations	44
Computer and Information Systems Managers	44
Buyers and Purchasing Agents	44
Mechanical Engineering Technologists and Technicians	44
Computer Systems Analysts	43
Network and Computer Systems Administrators	43

Previous Occupations	Transitions
Shipping, Receiving, and Inventory Clerks	43
Cooks, Restaurant	42
Recreation Workers	42
Web Developers	41
Engineers, All Other	41
First-Line Supervisors of Food Preparation and Serving Workers	41
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	40
Transportation, Storage, and Distribution Managers	39
Logisticians	39
Training and Development Specialists	39
Electricians	38
Construction Laborers	38
Industrial Truck and Tractor Operators	38
Software Quality Assurance Analysts and Testers	38
Natural Sciences Managers	36
News Analysts, Reporters, and Journalists	36
Aerospace Engineers	35
Secondary School Teachers, Except Special and Career/Technical Education	35
Bookkeeping, Accounting, and Auditing Clerks	34
Sheet Metal Workers	33
Medical and Health Services Managers	32
Registered Nurses	30
Following Occupations	Transitions
First-Line Supervisors of Production and Operating Workers	1,402

Following Occupations	Transitions
Computer Numerically Controlled Tool Operators	1,048
Industrial Engineers	983
Mechanical Engineers	759
Maintenance and Repair Workers, General	612
Computer Numerically Controlled Tool Programmers	531
Computer User Support Specialists	413
Chief Executives	370
First-Line Supervisors of Mechanics, Installers, and Repairers	365
General and Operations Managers	363
Tool and Die Makers	354
Inspectors, Testers, Sorters, Samplers, and Weighers	349
Software Developers	331
Industrial Engineering Technologists and Technicians	316
Managers, All Other	296
Computer Programmers	279
Postsecondary Teachers	256
First-Line Supervisors of Office and Administrative Support Workers	246
Customer Service Representatives	229
Retail Salespersons	215
Industrial Production Managers	208
Miscellaneous Assemblers and Fabricators	206
Industrial Machinery Mechanics	199
Electrical and Electronic Engineering Technologists and Technicians	175
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	173

Following Occupations	Transitions
Automotive Service Technicians and Mechanics	162
Life, Physical, and Social Science Technicians, All Other	161
Packaging and Filling Machine Operators and Tenders	152
Engineering Technologists and Technicians, Except Drafters, All Other	146
Project Management Specialists	137
Business Operations Specialists, All Other	137
Human Resources Specialists	131
Sales Managers	127
Mechanical Engineering Technologists and Technicians	122
Engineers, All Other	121
Sales Engineers	113
Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	112
Laborers and Freight, Stock, and Material Movers, Hand	111
Stockers and Order Fillers	111
Network and Computer Systems Administrators	110
Architectural and Engineering Managers	109
Welders, Cutters, Solderers, and Brazers	108
Management Analysts	106
Marketing Managers	105
Market Research Analysts and Marketing Specialists	102
Teaching Assistants, Postsecondary	100
Production, Planning, and Expediting Clerks	97
Public Relations Specialists	95
Training and Development Specialists	95
Computer Occupations, All Other	93

Following Occupations	Transitions
Heavy and Tractor-Trailer Truck Drivers	93
Social and Human Service Assistants	87
Electrical Engineers	85
Production Workers, All Other	82
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	81
Computer Systems Analysts	80
Web Developers	76
Graphic Designers	76
Helpers--Production Workers	76
Buyers and Purchasing Agents	75
First-Line Supervisors of Construction Trades and Extraction Workers	75
Medical Scientists, Except Epidemiologists	74
Bus and Truck Mechanics and Diesel Engine Specialists	74
Teaching Assistants, Except Postsecondary	73
Software Quality Assurance Analysts and Testers	73
Teachers and Instructors, All Other	73
Architectural and Civil Drafters	68
Cost Estimators	66
Real Estate Sales Agents	63
Light Truck Drivers	63
Biological Technicians	61
Aircraft Mechanics and Service Technicians	60
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	57
Security Guards	56

Following Occupations	Transitions
Financial Managers	55
Logisticians	53
Transportation, Storage, and Distribution Managers	51
Clinical Laboratory Technologists and Technicians	51
First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	51
First-Line Supervisors of Retail Sales Workers	50
Shipping, Receiving, and Inventory Clerks	50
Electricians	49
Industrial Truck and Tractor Operators	47
Mechanical Drafters	46
Registered Nurses	46
Aerospace Engineers	45
Electro-Mechanical and Mechatronics Technologists and Technicians	44
Insurance Sales Agents	44
Carpenters	43
Civil Engineers	43
Writers and Authors	43
Cashiers	41
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	41
Accountants and Auditors	41
Physicians, All Other	40
Fast Food and Counter Workers	40
Sheet Metal Workers	39
Computer and Information Systems Managers	37

Graduate Pipeline



1 Program

7 programs can train for this job, while only 1 program has produced completers in this region.



54 Completions (2021)

The completions from all regional institutions for all degree types.



55 Openings (2021)

The average number of openings for an occupation in the region is 51.

Top Programs

Completions (2021)

Machine Shop Technology/Assis...	54	<div style="width: 100%; height: 10px; background-color: #0070C0;"></div>
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Top Schools

Completions (2021)

Red Rocks Community College	54	<div style="width: 100%; height: 10px; background-color: #0070C0;"></div>
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