Science, Technology, Engineering & Mathematics (5-Digit SOC)
in Labor Shed

200 Washington St Ste 120
Wausau, Wisconsin 54403-5530

Contents

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*.

Report Parameters

89 Occupations

11-3013	Facilities Managers
11-9041	Architectural and Engineering Managers
15-1211	Computer Systems Analysts
15-1231	Computer Network Support Specialists
15-1241	Computer Network Architects

15-1244	Network and Computer Systems Administrators
15-1251	Computer Programmers
15-1252	Software Developers
15-1254	Web Developers

See Appendix A for all 89 Occupations

8 Counties

55019	Clark County, WI
55067	Langlade County, WI
55069	Lincoln County, WI
55073	Marathon County, WI

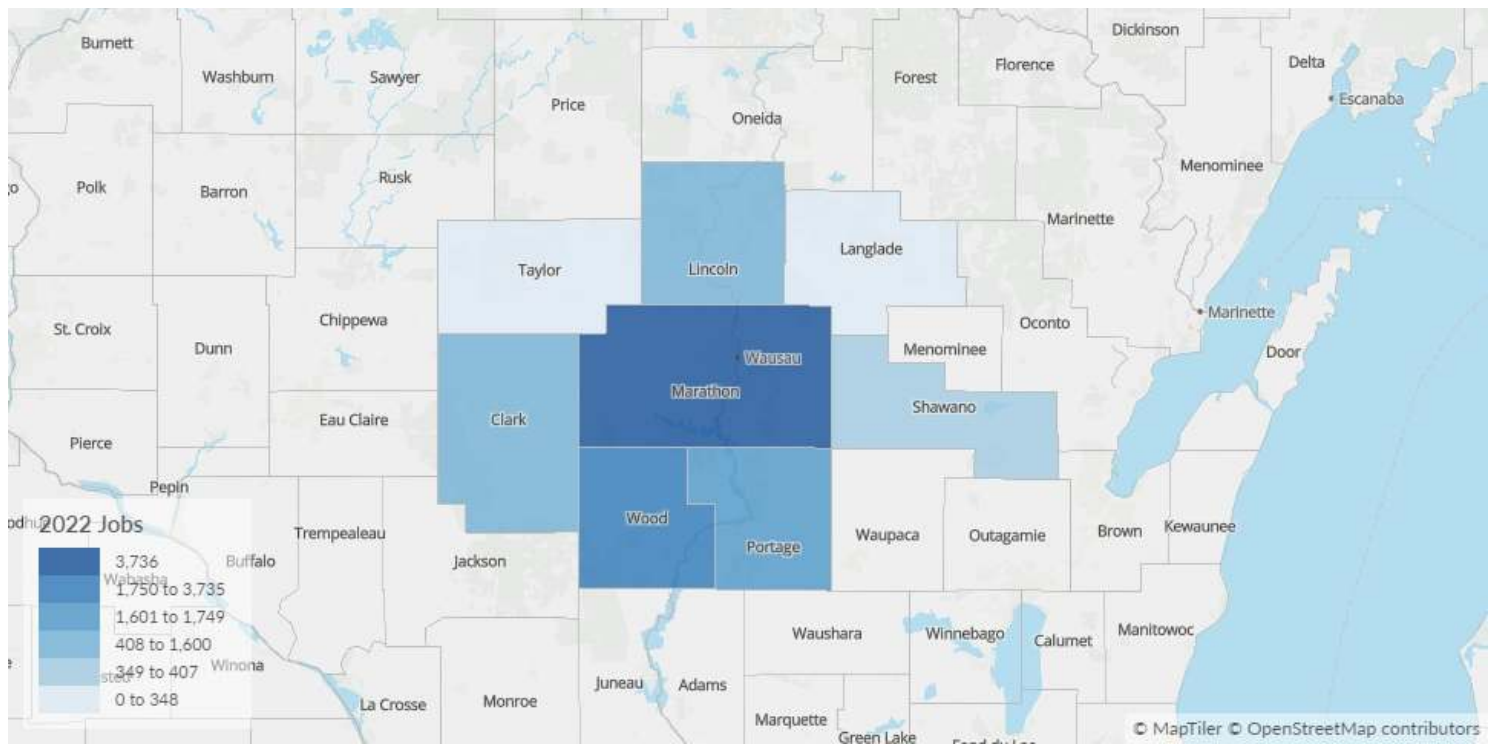|	
55097	Portage County, WI
55115	Shawano County, WI
55119	Taylor County, WI
55141	Wood County, WI

Class of Worker

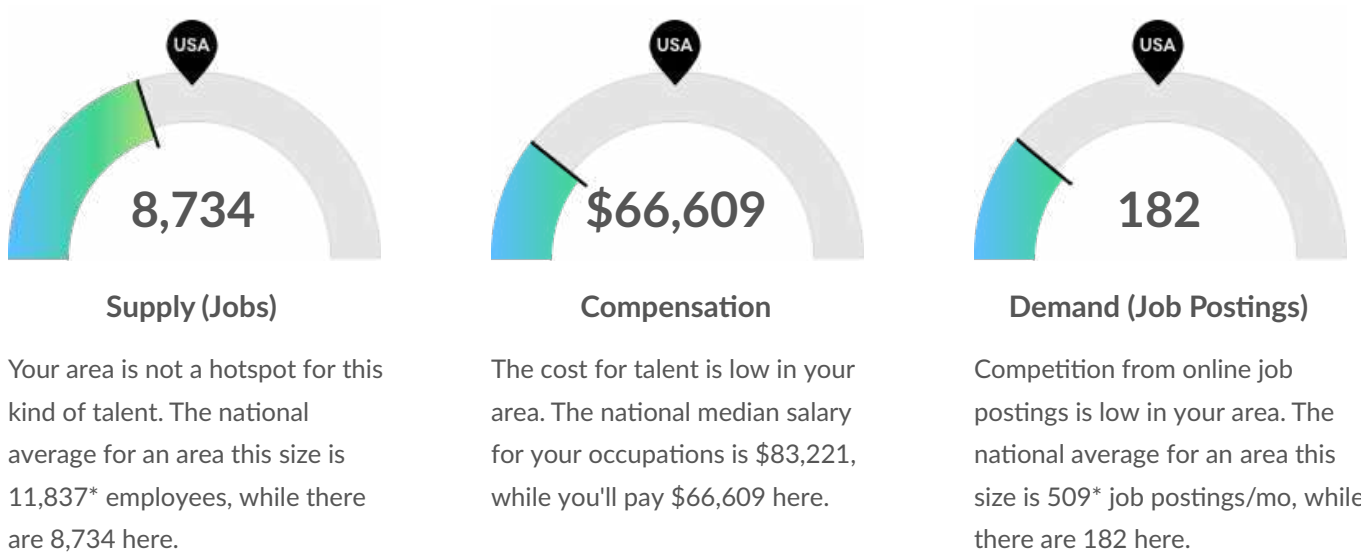QCEW Employees, Non-QCEW Employees, and Self-Employed

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

Workforce Map

Executive Summary

Light Hiring Competition Over a Thin Supply of Regional Talent

8,734

Supply (Jobs)

Your area is not a hotspot for this kind of talent. The national average for an area this size is 11,837* employees, while there are 8,734 here.

$66,609

Compensation

The cost for talent is low in your area. The national median salary for your occupations is $83,221, while you'll pay $66,609 here.

182

Demand (Job Postings)

Competition from online job postings is low in your area. The national average for an area this size is 509* job postings/mo, while there are 182 here.
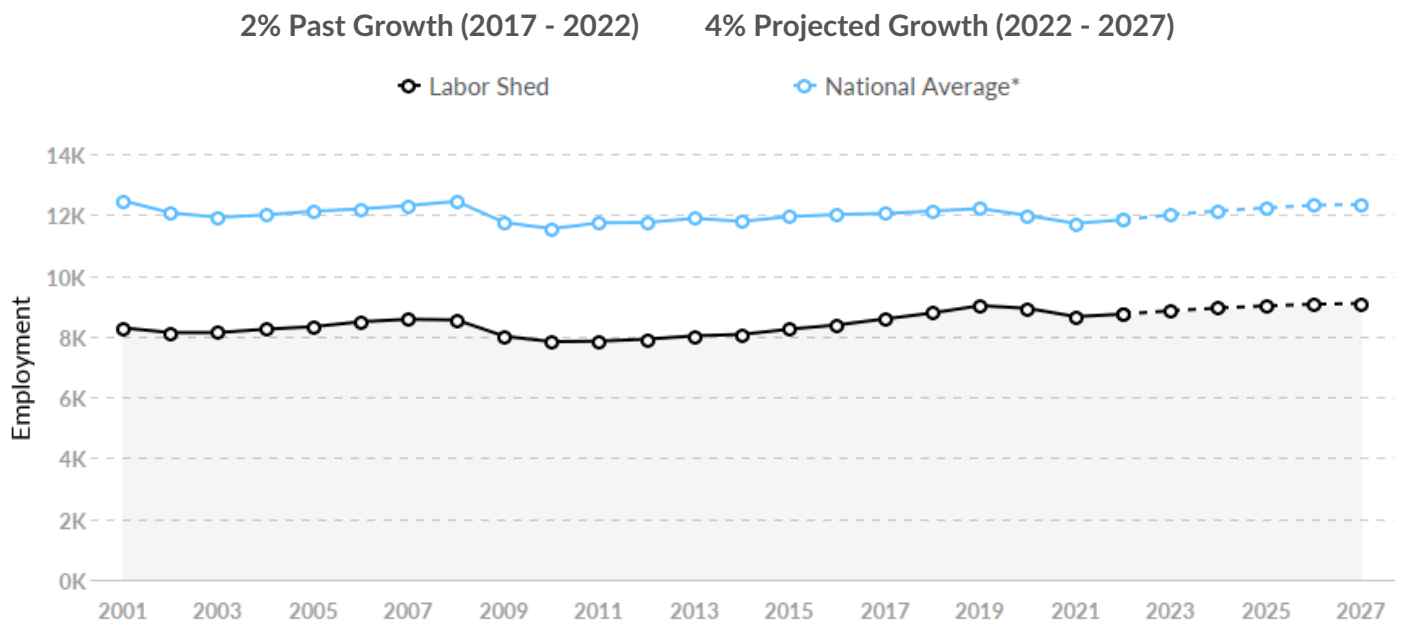
*National average values are derived by taking the national value for your occupations and scaling it down to account for the difference in overall workforce size between the nation and your area. In other words, the values represent the national average adjusted for region size.

Supply (Jobs)

Supply Is Lower Than the National Average

The regional vs. national average employment helps you understand if the supply of your occupations is a strength or weakness for your area, and how it is changing relative to the nation. An average area of this size would have 11,837* employees, while there are 8,734 here. This lower than expected supply may make it more difficult to find candidates. The gap between expected and actual employment is expected to remain roughly the same over the next 5 years.

2% Past Growth (2017 - 2022)   4% Projected Growth (2022 - 2027)

*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 your area. In other words, the values represent the national average adjusted for region size.

Most Jobs are Found in the Building Equipment Contractors Industry Sector
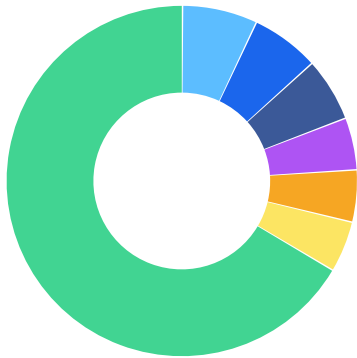
Industry	% of Occupation in Industry (2022)
🔵 Building Equipment Contractors	6.9%
🔵 Local Government, Excluding Education and Hospitals	6.3%
🔵 Insurance Carriers	5.9%
🟣 Architectural, Engineering, and Related Services	4.8%
🟠 Management of Companies and Enterprises	4.8%
🟡 Computer Systems Design and Related Services	4.7%
🟢 Other	66.6%

![Lightcast]

Place of Work vs Place of Residence

Understanding where talent in the region currently works compared to where talent lives can help you optimize site decisions.
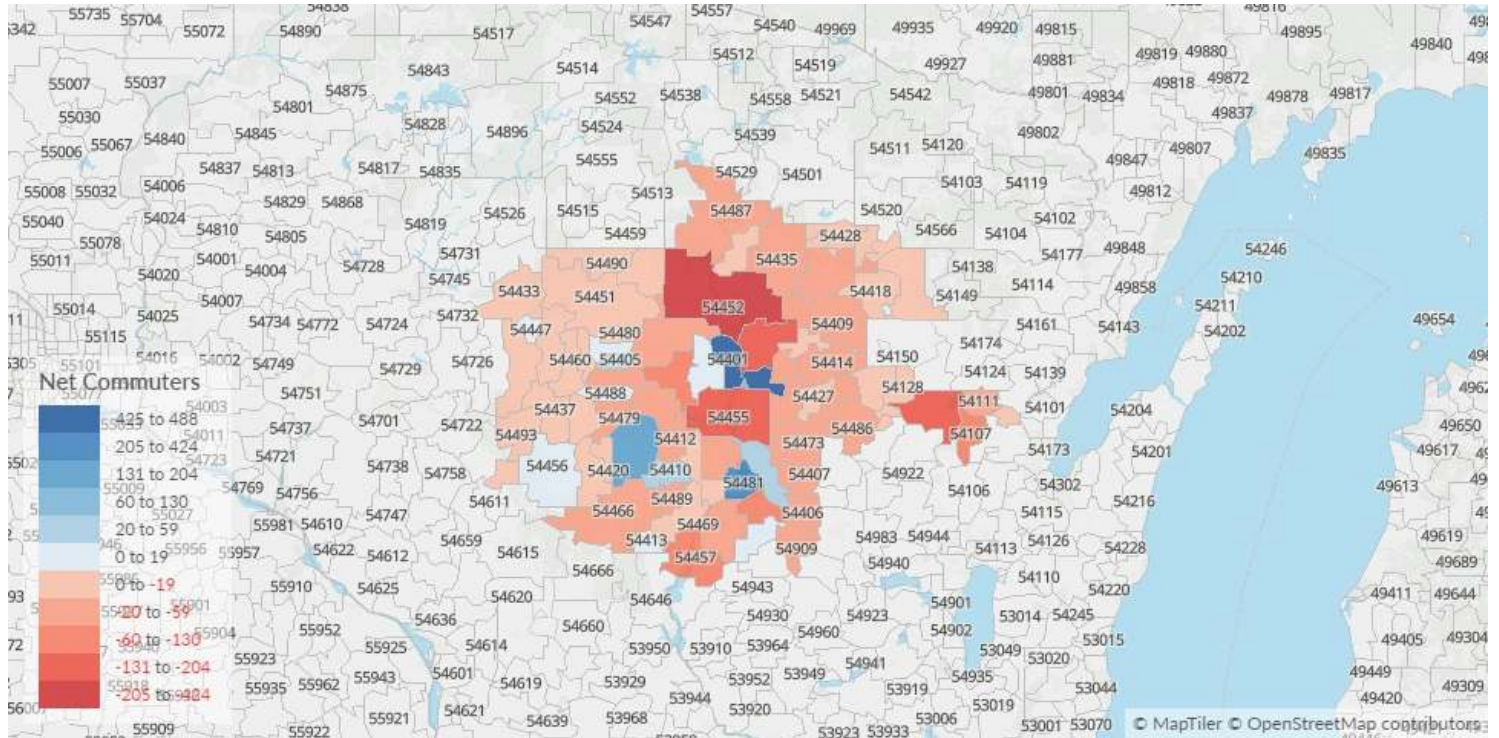
Where Talent Works		
ZIP	Name	2022 Employment
54401	Wausau, WI (in Maratho...	1,279
54476	Schofield, WI (in Marath...	932
54481	Stevens Point, WI (in Po...	889
54449	Marshfield, WI (in Woo...	669
54494	Wisconsin Rapids, WI (i...	629

Where Talent Lives		
ZIP	Name	2022 Workers
54401	Wausau, WI (in Maratho...	791
54494	Wisconsin Rapids, WI (i...	662
54481	Stevens Point, WI (in Po...	626
54403	Wausau, WI (in Maratho...	602
54455	Mosinee, WI (in Marath...	532

Retirement Risk Is About Average, While Overall Diversity Is Low
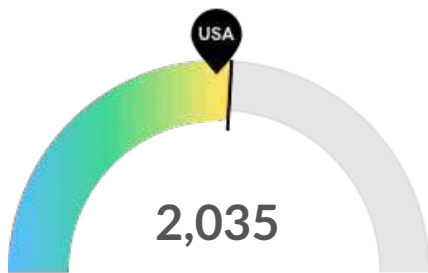
2,035

Retiring Soon

Retirement risk is about average in your area. The national average for an area this size is 1,923* employees 55 or older, while there are 2,035 here.

769
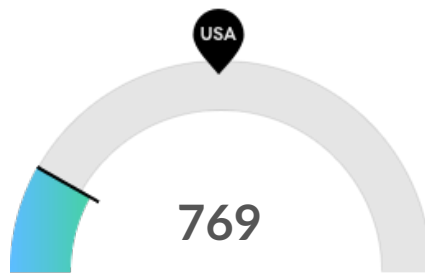
Racial Diversity

Racial diversity is low in your area. The national average for an area this size is 2,975* racially diverse employees, while there are 769 here.
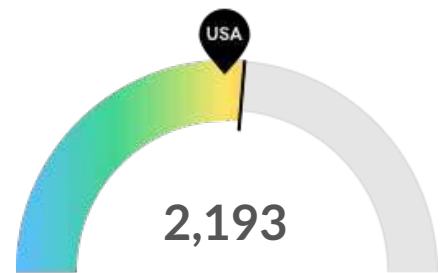
2,193

Gender Diversity

Gender diversity is about average in your area. The national average for an area this size is 2,028* female employees, while there are 2,193 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 your area. In other words, the values represent the national average adjusted for region size.

Demographic Details

Occupation Age Breakdown
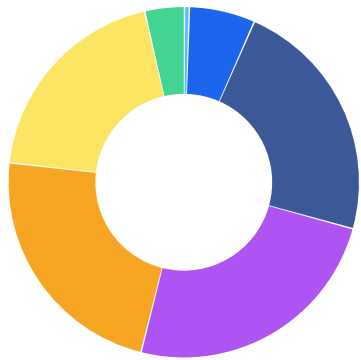
		% of Jobs	Jobs
●	14-18	0.4%	39
●	19-24	6.1%	531
●	25-34	22.7%	1,981
●	35-44	24.7%	2,153
●	45-54	22.8%	1,995
●	55-64	19.6%	1,716
●	65+	3.7%	319

Occupation Race/Ethnicity Breakdown
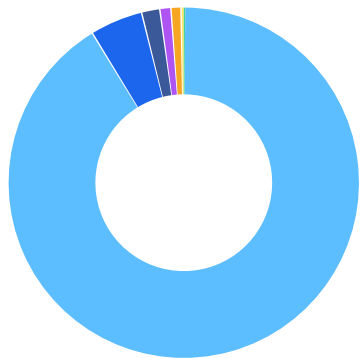
		% of Jobs	Jobs
●	White	91.2%	7,965
●	Asian	4.9%	425
●	Hispanic or Latino	1.7%	147
●	Two or More Races	1.0%	89
●	Black or African American	0.9%	80
●	American Indian or Alaska Native	0.3%	27
●	Native Hawaiian or Other Pacific Islander	0.0%	1

Occupation Gender Breakdown
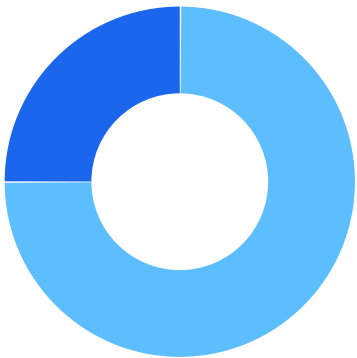
	% of Jobs	Jobs
Males	74.9%	6,541
Females	25.1%	2,193

Compensation

Talent Is 20% Cheaper, While the Cost of Living May Make Attraction Difficult

In 2021, the median compensation for your occupations in your area is $66,609. Based on the national median wage of $83,221 for this position, this means you will spend about 20% less to employ your occupations here. However, their actual purchasing power will be 19% less than the national median when we adjust for regional cost of living (which is 1% lower than average). This may make it harder to attract talent to the region at this price.
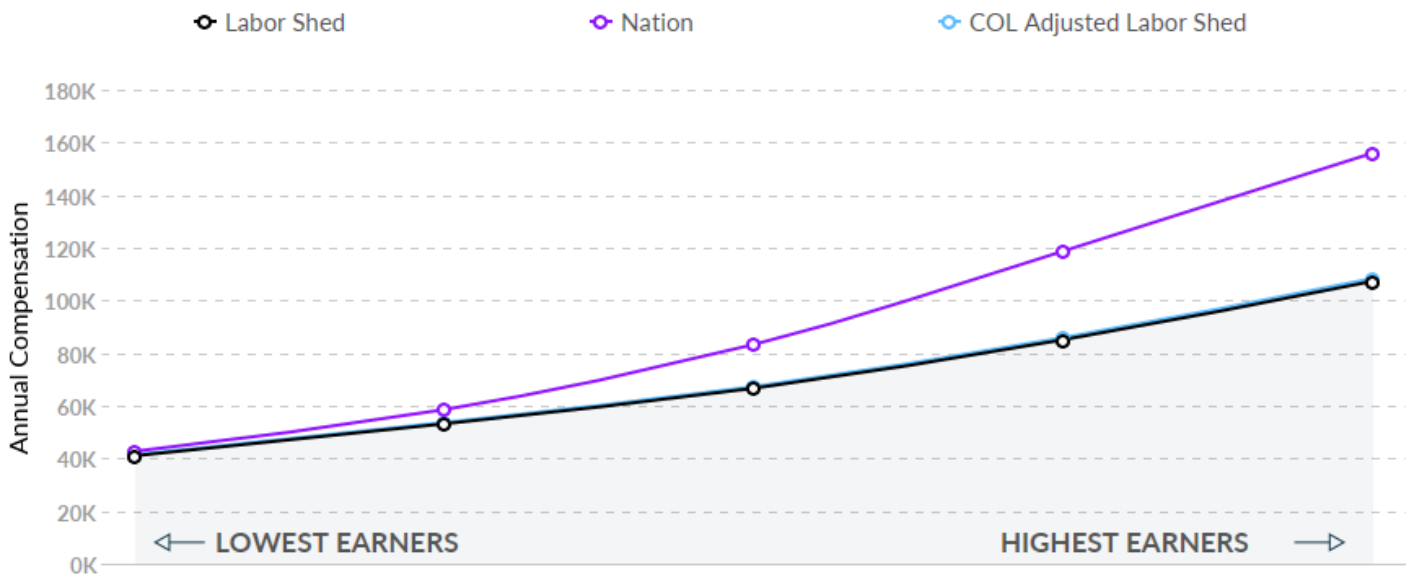
Demand

346 Employers Competing

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

2,188 Unique Job Postings

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

27 Day Median Duration

Posting duration is 1 day longer than what's typical in the region.

● Monthly Unique Postings　　● Estimated Hires Per Month*
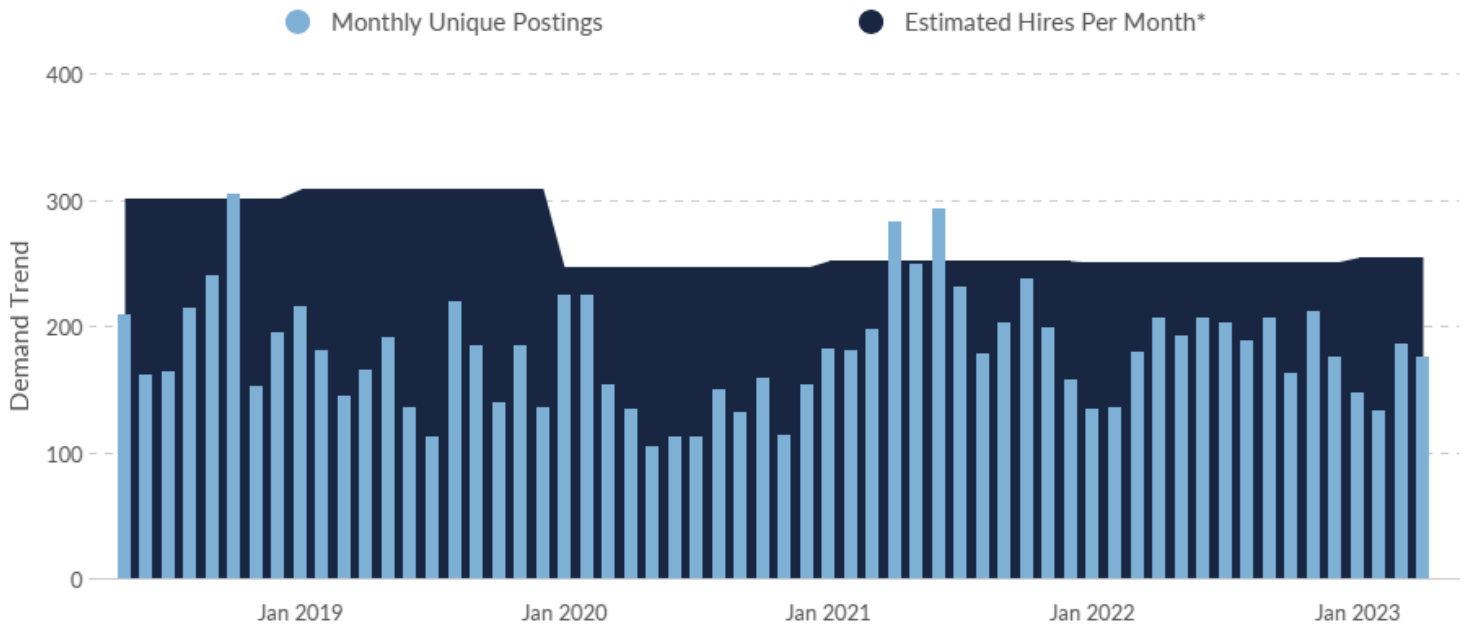
Occupation	Avg Monthly Postings (May 2022 - Apr 2023)	Avg Monthly Hires (May 2022 - Apr 2023)
Software Developers	18	19
Clinical Laboratory Technologists and Technicians	23	10
Industrial Engineering Technologists and Technicians	17	2

*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 (May 2022 - Apr 2023)	Avg Monthly Hires (May 2022 - Apr 2023)
Industrial Engineers	10	14
Computer Systems Analysts	7	11
Electrical and Electronic Engineering Technologists and Technicians	6	2
Electrical Engineers	6	3
Civil Engineers	8	6
Mechanical Engineers	7	9
Electricians	5	30
Dietitians and Nutritionists	6	2
Life, Physical, and Social Science Technicians, All Other	4	4
Chemical Engineers	6	0
Data Scientists	5	2
Web Developers	3	4
Network and Computer Systems Administrators	3	10
Computer Network Architects	3	2
Architectural and Engineering Managers	3	3
Medical Scientists, Except Epidemiologists	4	0
Mechanical Drafters	6	6
Telecommunications Equipment Installers and Repairers, Except Line Installers	3	7
Computer Programmers	1	3
Operations Research Analysts	2	2
Facilities Managers	4	3
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	2	4
Drafters, All Other	2	0
Electro-Mechanical and Mechatronics Technologists and Technicians	2	0

Occupation	Avg Monthly Postings (May 2022 - Apr 2023)	Avg Monthly Hires (May 2022 - Apr 2023)
Engineering Technologists and Technicians, Except Drafters, All Other	1	2
Computer Network Support Specialists	1	3
Operating Engineers and Other Construction Equipment Operators	0	34
Engineers, All Other	1	2
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	1	0
Civil Engineering Technologists and Technicians	1	2
Mechanical Engineering Technologists and Technicians	1	5
Architectural and Civil Drafters	0	5
Survey Researchers	1	0
Soil and Plant Scientists	1	1
Agricultural Technicians	1	2
Environmental Engineers	1	0
Zoologists and Wildlife Biologists	0	0
Conservation Scientists	1	3
Electrical and Electronics Drafters	1	0
Dental Laboratory Technicians	1	3
Computer Hardware Engineers	1	0
Chemists	1	2
Sound Engineering Technicians	1	0
Sales Engineers	0	1
Biological Scientists, All Other	0	0
Physicists	0	0
Technical Writers	1	0
Broadcast Technicians	0	0

Occupation	Avg Monthly Postings (May 2022 - Apr 2023)	Avg Monthly Hires (May 2022 - Apr 2023)
Hazardous Materials Removal Workers	0	2
Statisticians	0	0
Geoscientists, Except Hydrologists and Geographers	0	0
Chemical Technicians	1	2
Fire Inspectors and Investigators	0	0
Environmental Scientists and Specialists, Including Health	0	2
Web and Digital Interface Designers	0	1
Materials Engineers	0	0
Surveying and Mapping Technicians	0	2
Petroleum Engineers	0	0
Locomotive Engineers	0	6
Power Distributors and Dispatchers	0	0
Stationary Engineers and Boiler Operators	0	2
Electronics Engineers, Except Computer	0	0
Marine Engineers and Naval Architects	0	0
Atmospheric and Space Scientists	0	0
Anthropologists and Archeologists	0	0
Nuclear Power Reactor Operators	0	0
Microbiologists	0	0
Ophthalmic Laboratory Technicians	0	2
Biochemists and Biophysicists	0	0
Aerospace Engineering and Operations Technologists and Technicians	0	0
Environmental Engineering Technologists and Technicians	0	0
Economists	0	0

Occupation	Avg Monthly Postings (May 2022 - Apr 2023)	Avg Monthly Hires (May 2022 - Apr 2023)
Nuclear Technicians	0	0
Aerospace Engineers	0	0
Agricultural Engineers	0	0
Nuclear Engineers	0	0
Astronomers	0	0
Rail Yard Engineers, Dinkey Operators, and Hostlers	0	0

Top Companies	Unique Postings		Top Job Titles	Unique Postings	
Actalent	114		Maintenance Technicians	82	
Aspirus	109		Medical Technologists/Medical ...	53	
Marshfield Clinic	95		Mechanical Designers	51	
Beaver Dam Community Hospit...	73		Manufacturing Engineers	46	
Greenheck Fan Corporation	71		Dietary Aides	39	

Top Distinguishing Skills by Demand

Not enough data to display Distinguishing Skills for this occupation.

Top Defining Skills by Demand

Not enough data to display Defining Skills for this occupation.

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.

Distinguishing Skills

Defining Skills

Necessary Skills
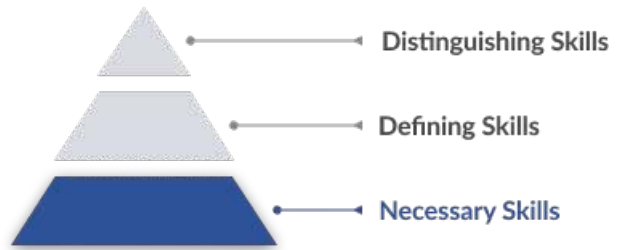
Skill	Salary Boosting	Job Postings Requesting
Valid Driver's License	❌	2,405
AutoCAD	✅	2,242
Computer Science	✅	1,829
SQL (Programming Language)	❌	1,583
Automation	❌	1,424
Machinery	❌	1,423
Process Improvement	❌	1,411
Auditing	❌	1,267
Programmable Logic Controllers	✅	1,241
Manufacturing Processes	❌	1,185

What skills are they posting for?

Top 15 Skills for Your Selected Job Types by Quarter

Skills help us understand the direction an occupation is headed.

Feb 2022 - Apr 2022	May 2022 - Jul 2022	Aug 2022 - Oct 2022	Nov 2022 - Jan 2023	Feb 2023 - Apr 2023
Medicaid	Medicaid	AutoCAD	AutoCAD	AutoCAD
Medicare	Medicare	Medicaid	Mechanical Engineering	Mechanical Engineering
AutoCAD	Automation	Medicare	Automation	Automation
Computer Science	Computer Science	Computer Science	Agile Methodology	Agile Methodology
Process Improvement	Machinery	Process Improvement	Software Engineering	Software Engineering
Machinery	Manufacturing Processes	Automation	Computer Science	Computer Science
Manufacturing Processes	AutoCAD	Medical Laboratory	Project Management	Project Management
Automation	Continuous Improvement Process	Mechanical Engineering	New Product Development	New Product Development
Continuous Improvement Process	Process Improvement	Project Management	Medicaid	Medicaid
Project Management	Medical Laboratory	Software Engineering	Medicare	Medicare
Medical Laboratory	Project Management	Machinery	Machinery	Machinery
Mechanical Engineering	New Product Development	Agile Methodology	Medical Laboratory	Medical Laboratory
Software Engineering	Software Engineering	Manufacturing Processes	Process Improvement	Process Improvement
New Product Development	Agile Methodology	Continuous Improvement Process	Manufacturing Processes	Manufacturing Processes
Agile Methodology	Mechanical Engineering	New Product Development	Continuous Improvement Process	Continuous Improvement Process

Occupation Gain and Drain

Occupation Gain and Drain

The table below analyzes the profiles of current and past people in your selected occupations. The left column shows job transitions from other occupations to your selected occupations. The right column shows job transitions from your selected occupations 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 occupations in the United States:
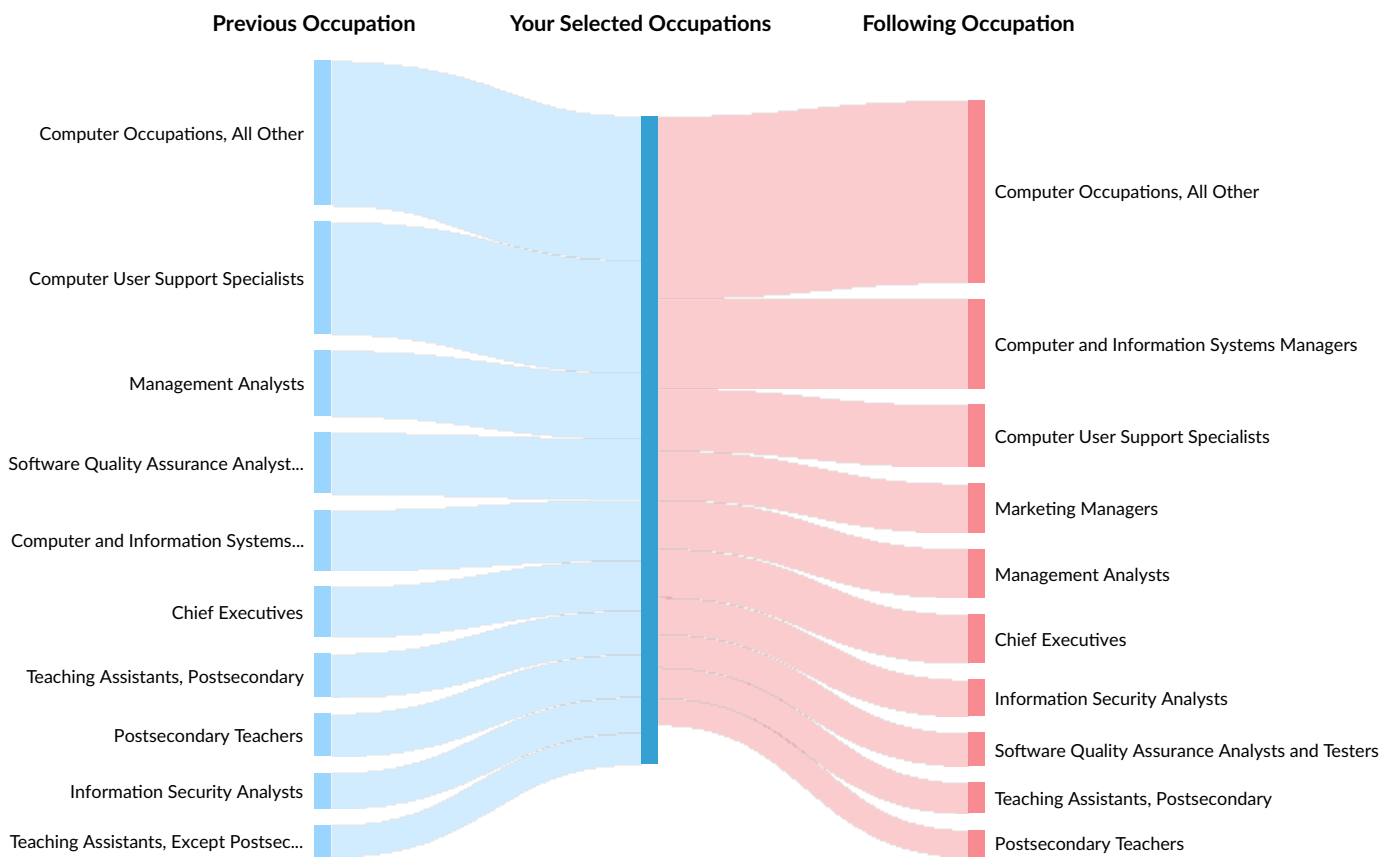
Previous Occupations	Transitions
Computer Occupations, All Other	50,528
Computer User Support Specialists	39,414
Management Analysts	22,962

Previous Occupations	Transitions
Software Quality Assurance Analysts and Testers	21,362
Computer and Information Systems Managers	21,245
Chief Executives	17,533
Teaching Assistants, Postsecondary	15,306
Postsecondary Teachers	14,956
Information Security Analysts	12,527
Teaching Assistants, Except Postsecondary	11,071
Marketing Managers	10,796
Market Research Analysts and Marketing Specialists	10,323
First-Line Supervisors of Office and Administrative Support Workers	9,088
Managers, All Other	8,341
Database Administrators	7,874
General and Operations Managers	7,750
Business Operations Specialists, All Other	7,053
Computer and Information Research Scientists	5,916
Graphic Designers	4,866
Customer Service Representatives	4,682
Project Management Specialists	4,524
Retail Salespersons	4,291
Sales Managers	4,005
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	3,600
Producers and Directors	3,481
Teachers and Instructors, All Other	3,381
Training and Development Specialists	3,375
First-Line Supervisors of Production and Operating Workers	3,252

Previous Occupations	Transitions
Social and Human Service Assistants	3,225
Financial Managers	3,058
Tutors	2,799
Human Resources Specialists	2,622
Secondary School Teachers, Except Special and Career/Technical Education	2,292
Public Relations Specialists	2,089
Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	2,078
Financial and Investment Analysts	1,982
Public Relations Managers	1,766
Accountants and Auditors	1,759
First-Line Supervisors of Mechanics, Installers, and Repairers	1,613
Biological Technicians	1,607
Educational, Guidance, and Career Counselors and Advisors	1,567
Social Science Research Assistants	1,524
Natural Sciences Managers	1,497
Inspectors, Testers, Sorters, Samplers, and Weighers	1,408
Coaches and Scouts	1,398
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,357
Industrial Production Managers	1,334
Stockers and Order Fillers	1,315
Executive Secretaries and Executive Administrative Assistants	1,262
Waiters and Waitresses	1,244
Maintenance and Repair Workers, General	1,237
Social and Community Service Managers	1,149

Previous Occupations	Transitions
Commercial and Industrial Designers	1,035
Transportation, Storage, and Distribution Managers	1,034
Compliance Officers	1,025
Human Resources Managers	999
Medical and Health Services Managers	965
Editors	927
Construction Managers	907
Logisticians	875
Registered Nurses	862
First-Line Supervisors of Construction Trades and Extraction Workers	764
Buyers and Purchasing Agents	628
Medical Assistants	521
Occupational Health and Safety Specialists	258

Following Occupations	Transitions
Computer Occupations, All Other	63,873
Computer and Information Systems Managers	31,420
Computer User Support Specialists	21,728
Marketing Managers	17,213
Management Analysts	17,152
Chief Executives	17,035
Information Security Analysts	12,952
Software Quality Assurance Analysts and Testers	11,611
Teaching Assistants, Postsecondary	10,789
Postsecondary Teachers	9,400

Following Occupations	Transitions
First-Line Supervisors of Office and Administrative Support Workers	8,902
Managers, All Other	8,159
General and Operations Managers	7,678
Market Research Analysts and Marketing Specialists	6,880
Teaching Assistants, Except Postsecondary	5,665
Project Management Specialists	5,079
Business Operations Specialists, All Other	5,024
Computer and Information Research Scientists	4,437
Producers and Directors	4,430
Database Administrators	4,221
Sales Managers	4,206
Graphic Designers	3,020
Financial Managers	2,887
Architects, Except Landscape and Naval	2,846
Human Resources Specialists	2,585
Customer Service Representatives	2,559
Training and Development Specialists	2,528
First-Line Supervisors of Production and Operating Workers	2,328
Retail Salespersons	2,195
Social and Human Service Assistants	2,143
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1,957
Public Relations Managers	1,924
Commercial and Industrial Designers	1,783
Teachers and Instructors, All Other	1,765

Following Occupations	Transitions
Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	1,588
Industrial Production Managers	1,362
First-Line Supervisors of Mechanics, Installers, and Repairers	1,345
Public Relations Specialists	1,311
Education Administrators, Kindergarten through Secondary	1,223
Tutors	1,219
Natural Sciences Managers	1,204
Social and Community Service Managers	1,185
Executive Secretaries and Executive Administrative Assistants	1,169
Medical and Health Services Managers	1,158
Educational, Guidance, and Career Counselors and Advisors	1,135
Secondary School Teachers, Except Special and Career/Technical Education	1,016
Accountants and Auditors	964
Financial and Investment Analysts	961
Human Resources Managers	960
Transportation, Storage, and Distribution Managers	896
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	864
Inspectors, Testers, Sorters, Samplers, and Weighers	779
Construction Managers	753
Biological Technicians	739
Compliance Officers	636
Registered Nurses	598
Maintenance and Repair Workers, General	584
Editors	565

Following Occupations	Transitions
First-Line Supervisors of Construction Trades and Extraction Workers	558
Physicians, All Other	528
Logisticians	470
Buyers and Purchasing Agents	362
Medical Assistants	277
Occupational Health and Safety Specialists	174

Graduate Pipeline

128 Programs

701 programs can train for this job, while only 128 programs have produced completers in this region.

2,104 Completions (2021)

The completions from all regional institutions for all degree types.

1,058 Openings (2021)

The average number of openings for an occupation in the region is 37.

Top Programs	Completions (2021)		Top Schools	Completions (2021)	
Business Administration and Ma…	248		University of Wisconsin-Steven…	1,150	
Biology/Biological Sciences, Gen…	92		Northcentral Technical College	728	
Sociology, General	90		Mid-State Technical College	226	
Communication, General	87				
Forestry, General	72				

Appendix A (Occupations)

Code	Description
11-3013	Facilities Managers
11-9041	Architectural and Engineering Managers
15-1211	Computer Systems Analysts
15-1231	Computer Network Support Specialists
15-1241	Computer Network Architects
15-1244	Network and Computer Systems Administrators
15-1251	Computer Programmers
15-1252	Software Developers
15-1254	Web Developers
15-1255	Web and Digital Interface Designers
15-2021	Mathematicians
15-2031	Operations Research Analysts

Code	Description
15-2041	Statisticians
15-2051	Data Scientists
17-1021	Cartographers and Photogrammetrists
17-2011	Aerospace Engineers
17-2021	Agricultural Engineers
17-2031	Bioengineers and Biomedical Engineers
17-2041	Chemical Engineers
17-2051	Civil Engineers
17-2061	Computer Hardware Engineers
17-2071	Electrical Engineers
17-2072	Electronics Engineers, Except Computer
17-2081	Environmental Engineers

Code	Description
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors
17-2112	Industrial Engineers
17-2121	Marine Engineers and Naval Architects
17-2131	Materials Engineers
17-2141	Mechanical Engineers
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers
17-2161	Nuclear Engineers
17-2171	Petroleum Engineers
17-2199	Engineers, All Other
17-3011	Architectural and Civil Drafters
17-3012	Electrical and Electronics Drafters
17-3013	Mechanical Drafters

Code	Description
17-3019	Drafters, All Other
17-3021	Aerospace Engineering and Operations Technologists and Technicians
17-3022	Civil Engineering Technologists and Technicians
17-3023	Electrical and Electronic Engineering Technologists and Technicians
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians
17-3025	Environmental Engineering Technologists and Technicians
17-3026	Industrial Engineering Technologists and Technicians
17-3027	Mechanical Engineering Technologists and Technicians
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other
17-3031	Surveying and Mapping Technicians
19-1013	Soil and Plant Scientists
19-1021	Biochemists and Biophysicists

Code	Description
19-1022	Microbiologists
19-1023	Zoologists and Wildlife Biologists
19-1029	Biological Scientists, All Other
19-1031	Conservation Scientists
19-1042	Medical Scientists, Except Epidemiologists
19-2011	Astronomers
19-2012	Physicists
19-2021	Atmospheric and Space Scientists
19-2031	Chemists
19-2032	Materials Scientists
19-2041	Environmental Scientists and Specialists, Including Health
19-2042	Geoscientists, Except Hydrologists and Geographers

Code	Description
19-2043	Hydrologists
19-3011	Economists
19-3022	Survey Researchers
19-3091	Anthropologists and Archeologists
19-4012	Agricultural Technicians
19-4031	Chemical Technicians
19-4051	Nuclear Technicians
19-4099	Life, Physical, and Social Science Technicians, All Other
27-3042	Technical Writers
27-4012	Broadcast Technicians
27-4014	Sound Engineering Technicians
29-1031	Dietitians and Nutritionists

Code	Description
29-2018	Clinical Laboratory Technologists and Technicians
33-2021	Fire Inspectors and Investigators
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products
41-9031	Sales Engineers
47-2073	Operating Engineers and Other Construction Equipment Operators
47-2111	Electricians
47-4041	Hazardous Materials Removal Workers
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers
51-8011	Nuclear Power Reactor Operators

Code	Description
51-8012	Power Distributors and Dispatchers
51-8021	Stationary Engineers and Boiler Operators
51-9081	Dental Laboratory Technicians
51-9083	Ophthalmic Laboratory Technicians
53-2011	Airline Pilots, Copilots, and Flight Engineers
53-4011	Locomotive Engineers
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers
53-5031	Ship Engineers