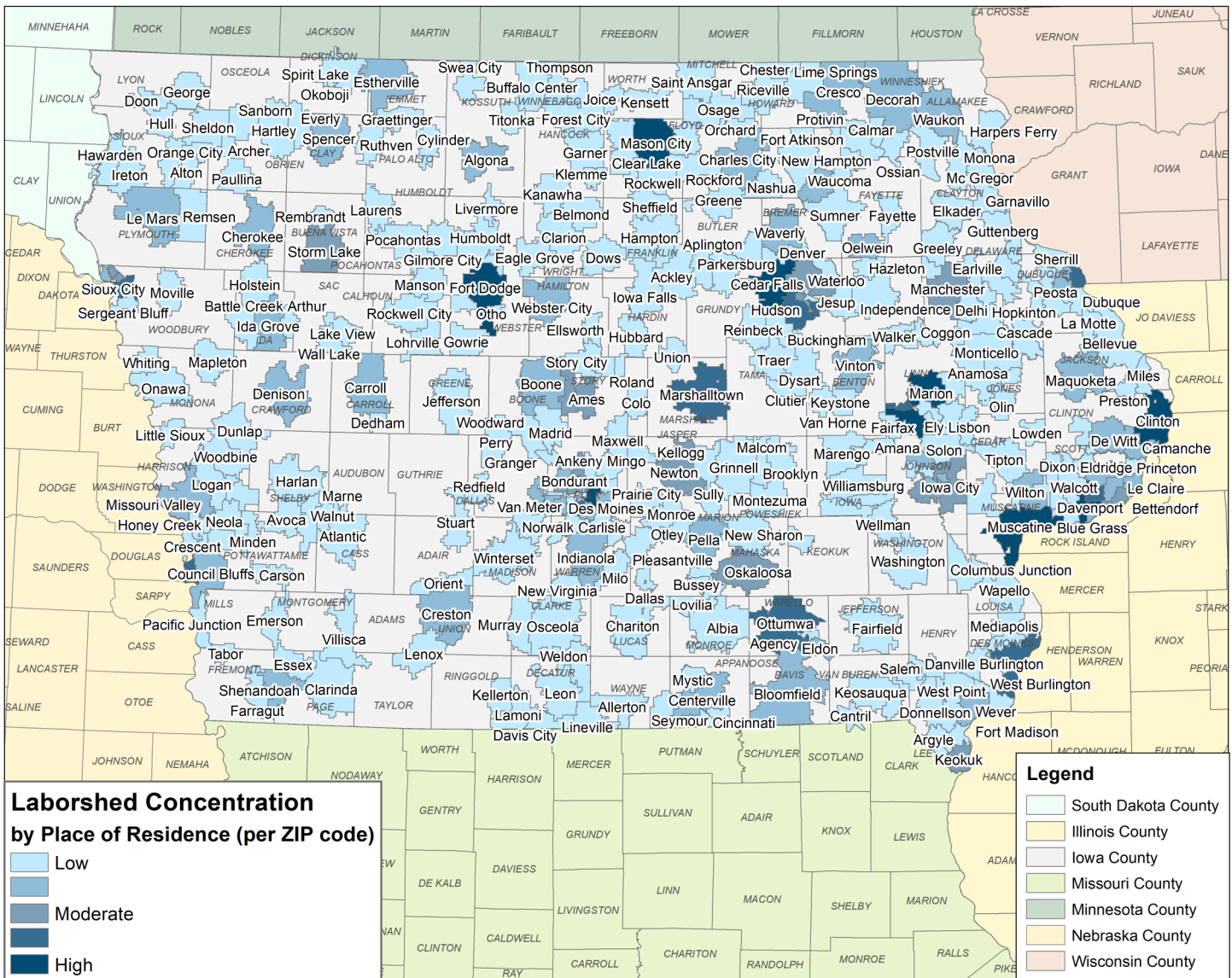


# LABOR CHARACTERISTICS

## ADVANCED MANUFACTURING

### STATE OF IOWA LABORSHED AREA

CONCENTRATION OF RESPONDENTS WITHIN THE LABORSHED AREA  
WITH TRANSFERABLE EXPERIENCE/SKILLS BY PLACE OF RESIDENCE



Workers who have transferable experience/skills in the industry are currently commuting an average of 17 miles one way for work. Those who are likely to change/accept employment are willing to commute an average of 29 miles one way for the right employment opportunity.

FOR MORE INFORMATION REGARDING THE STATEWIDE LABORSHED AREA, CONTACT:

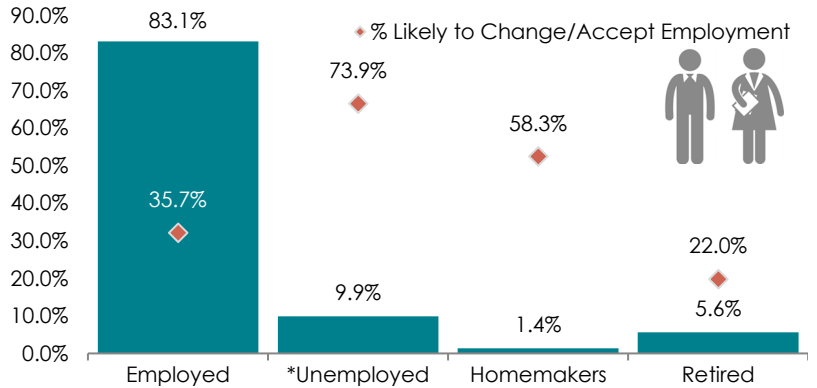
# LABOR CHARACTERISTICS

## ADVANCED MANUFACTURING

### ESTIMATED AVAILABLE LABOR PER OCCUPATIONAL CATEGORY:

- Architectural/Engineering Managers - 1.1%
- Assemblers and Fabricators - 0.3%
- Bus and Truck Mechanics and Diesel Engine Specialists - 1.1%
- Chemical Equipment Operators - 0.1%
- Chemical Plant Operators - 0.1%
- Computer Hardware Engineers - 0.7%
- Conveyor Operators - 0.1%
- Crane and Tower Operators - 0.1%
- Cutting and Slicing Machine Setters, Operators, and Tenders - 0.3%
- Cutting, Punching, and Press Machine Operators, - 0.7%
- Drilling and Boring Machine Tool Setters and Operators - 0.1%
- Electrical and Electronic Engineering Technicians - 0.6%
- Electrical and Electronic Equipment Assemblers - 0.3%
- Electrical Engineers - 1.1%
- Electricians - 4.5%
- Electro-Mechanical Technicians - 0.1%
- Electronics Engineers, No Computer - 0.3%
- Engine/Other Machine Assemblers - 0.6%
- Engineering Technicians, All Other - 0.9%
- Engineers, All Other - 4.7%
- First-Line Supervisors of Mechanics, Installers, and Repairers - 5%
- First-Line Supervisors of Production and Operating Workers - 5.9%
- Forging Machine Setters, Operators, and Tenders, Metal and Plastic - 0.1%
- Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic - 0.2%
- Heavy/Tractor-Trailer Truck Drivers - 18.8%
- Industrial Engineering Technicians - 0.1%
- Industrial Engineers - 1%
- Industrial Machinery Mechanics - 2.3%
- Industrial Production Managers - 4.3%
- Industrial Truck and Tractor Operators - 2%
- Inspectors, Testers, Sorters, Samplers, and Weighers - 1.6%
- Installation, Maintenance, and Repair Workers, All Other - 8.2%
- Laborers and Freight, Stock, and Material Movers, Hand - 4.1%
- Light Truck/Delivery Services Drivers - 2.9%
- Machine Feeders and Offbearers - 0.5%
- Machinists - 1.7%
- Maintenance Workers, Machinery - 0.2%
- Material Moving Workers, All Other - 0.2%
- Materials Engineers - 0.2%
- Mechanical Drafters - 0.1%
- Mechanical Engineering Technicians - 0.5%
- Mechanical Engineers - 1.4%
- Milling/Planing Machine Operators, and Tenders, Metal and Plastic - 0.2%
- Millwrights - 0.5%
- Mixing and Blending Machine Setters, Operators, and Tenders - 0.2%
- Molders, Shapers, and Casters, Except Metal and Plastic - 0.3%
- Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic - 0.1%
- Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic - 3.6%
- Packaging and Filling Machine Operators and Tenders - 0.1%
- Packers and Packagers, Hand - 1.8%
- Plant/System Operators, All Other - 0.2%
- Plating and Coating Machine Setters and Operators, Metal and Plastic - 0.1%
- Production Workers, All Other - 5.8%
- Structural Metal Fabricators/Fitters - 0.2%
- Tank Car, Truck, and Ship Loaders - 0.3%
- Team Assemblers - 3.6%
- Tool and Die Makers - 0.2%
- Water and Wastewater Treatment Plant and System Operators - 0.6%
- Welders, Cutters, Solderers, Brazers - 2.6%
- Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders - 0.1%

### ESTIMATED TOTAL BY EMPLOYMENT STATUS (PERCENTAGE):



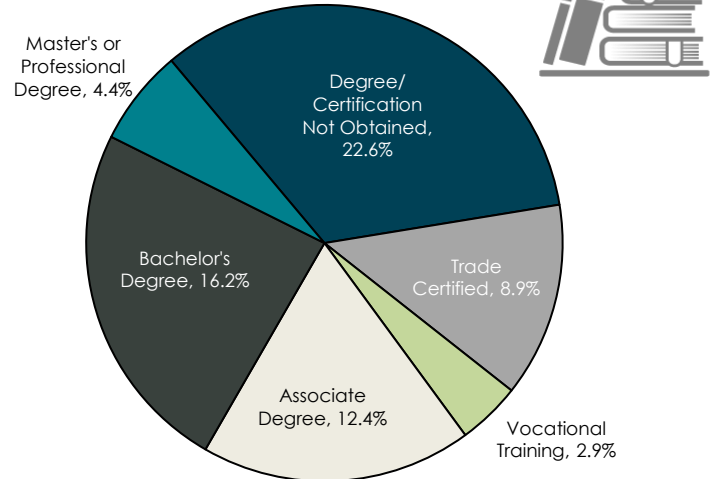
\*Employment status is self-identified by the survey respondent. The unemployment percentage does not reflect the unemployment rate published by the U.S. Bureau of Labor Statistics, which applies a stricter definition.

### EMPLOYMENT STATS:

- 64.6% paid an hourly wage
- 95.7% are/were employed full-time
- 4.3% are/were employed part-time
- 12.6% are/were self-employed
- 11.1% hold two or more jobs
- Currently working an average of 47 hours/week

### EDUCATIONAL LEVEL:

(67.4% HAVE AN EDUCATION BEYOND HIGH SCHOOL)

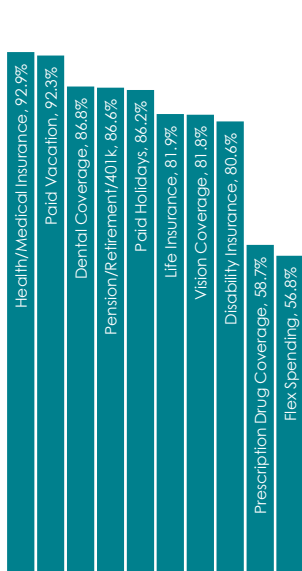


### UNDEREMPLOYMENT (ESTIMATED):

- Low hours - 0.8%
- Mismatch of skills - 9.3%
- Low income - 0.2%
- Total - 9.9%

(Individuals counted only once when estimating Total Underemployment.)

### CURRENT BENEFITS:



### DESIRED BENEFITS:



### TOP JOB SEARCH RESOURCES:

(For those seeking employment opportunities, by use.)

- Internet - 79.4%
  - [www.indeed.com](http://www.indeed.com)
  - [www.linkedin.com](http://www.linkedin.com)
  - [www.monster.com](http://www.monster.com)
  - [www.facebook.com](http://www.facebook.com)
- Networking through friends, family or acquaintances - 46.5%
- IowaWORKS Centers - 27.4%
- Private Employment Services - 17.0%



# LABOR CHARACTERISTICS

## ADVANCED MANUFACTURING

OCCUPATION	OCCUPATIONAL CODE	MEAN WAGE	ENTRY WAGE	EXPERIENCED WAGE	MEDIAN WAGE	MEAN ANNUAL SALARY
Bus and Truck Mechanics and Diesel Engine Specialists	49-3031	\$22.70	\$15.32	\$26.40	\$22.22	\$47,225
Chemical Engineers	17-2041	\$56.23	\$40.40	\$64.14	\$50.25	\$116,949
Chemical Equipment Operators and Tenders	51-9011	\$28.53	\$19.01	\$33.29	\$29.22	\$59,341
Chemical Plant and System Operators	51-8091	\$24.82	\$17.35	\$28.55	\$23.13	\$51,622
Computer Hardware Engineers	17-2061	\$47.02	\$27.35	\$56.86	\$48.01	\$97,807
Conveyor Operators and Tenders	53-7011	\$18.20	\$14.07	\$20.26	\$17.61	\$37,854
Crane and Tower Operators	53-7021	\$25.23	\$18.36	\$28.66	\$24.79	\$52,480
Cutting and Slicing Machine Setters, Operators, and Tenders	51-9032	\$17.49	\$13.47	\$19.49	\$17.38	\$36,370
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	51-4031	\$17.45	\$13.65	\$19.35	\$17.00	\$36,299
Electrical and Electronic Engineering Technicians	17-3023	\$34.13	\$25.12	\$38.63	\$34.69	\$70,980
Electrical Engineers	17-2071	\$52.61	\$38.60	\$59.62	\$51.45	\$109,434
Electricians	47-2111	\$28.81	\$17.93	\$34.25	\$28.50	\$59,929
Electro-Mechanical Technicians	17-3024	\$29.70	\$16.90	\$36.10	\$29.59	\$61,774
Electronics Engineers, Except Computer Engineers, All Other	17-2072	\$45.50	\$31.52	\$52.49	\$41.80	\$94,635
Engineers, All Other	17-2199	\$40.32	\$23.55	\$48.71	\$37.55	\$83,875
First-Line Supervisors of Mechanics, Installers, and Repairers	49-1011	\$33.10	\$22.09	\$38.60	\$32.37	\$68,847
First-Line Supervisors of Production and Operating Workers	51-1011	\$29.73	\$20.18	\$34.50	\$28.76	\$61,836
Forging Machine Setters, Operators, and Tenders, Metal and Plastic	51-4022	\$18.32	\$15.77	\$19.59	\$17.80	\$38,098
Foundry Mold and Coremakers	51-4071	\$21.40	\$16.07	\$24.07	\$21.37	\$44,513
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4033	\$17.86	\$13.54	\$20.02	\$17.53	\$37,147
Heavy and Tractor-Trailer Truck Drivers	53-3032	\$21.96	\$15.30	\$25.29	\$20.57	\$45,679
Industrial Engineering Technicians	17-3026	\$28.53	\$19.88	\$32.86	\$26.68	\$59,343
Industrial Engineers	17-2112	\$45.23	\$32.25	\$51.72	\$42.77	\$94,076
Industrial Machinery Mechanics	49-9041	\$26.22	\$19.19	\$29.74	\$26.41	\$54,537
Industrial Truck and Tractor Operators	53-7051	\$19.96	\$16.43	\$21.73	\$19.93	\$41,526
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$22.02	\$15.23	\$25.41	\$21.14	\$45,798
Installation, Maintenance, and Repair Workers, All Other	49-9099	\$22.96	\$15.60	\$26.65	\$23.37	\$47,765
Laborers and Freight, Stock, and Material Movers, Hand	53-7062	\$16.52	\$11.85	\$18.86	\$15.98	\$34,365
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4034	\$20.68	\$15.79	\$23.13	\$20.63	\$43,013
Light Truck or Delivery Services Drivers	53-3033	\$16.69	\$10.22	\$19.93	\$15.02	\$34,725
Machine Feeders and Offbearers	53-7063	\$21.86	\$14.40	\$25.59	\$20.33	\$45,476
Machinists	51-4041	\$21.91	\$15.41	\$25.17	\$21.27	\$45,580
Maintenance Workers, Machinery	49-9043	\$26.75	\$19.43	\$30.41	\$25.96	\$55,639
Material Moving Workers, All Other	53-7199	\$21.54	\$15.47	\$24.58	\$21.50	\$44,805
Materials Engineers	17-2131	\$45.45	\$34.19	\$51.08	\$44.23	\$94,531
Mechanical Drafters	17-3013	\$32.28	\$22.82	\$37.01	\$30.31	\$67,135
Mechanical Engineering Technicians	17-3027	\$28.57	\$19.98	\$32.87	\$27.13	\$59,428
Mechanical Engineers	17-2141	\$48.38	\$32.77	\$56.18	\$47.17	\$100,630
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4035	\$20.33	\$16.18	\$22.40	\$20.55	\$42,281
Millwrights	49-9044	\$29.67	\$18.76	\$35.12	\$28.49	\$61,713
Mixing and Blending Machine Setters, Operators, and Tenders	51-9023	\$21.11	\$14.50	\$24.42	\$19.31	\$43,914
Molders, Shapers, and Casters, Except Metal and Plastic	51-9195	\$17.92	\$12.37	\$20.70	\$15.99	\$37,281
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	51-4072	\$19.09	\$12.79	\$22.23	\$18.87	\$39,699
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4081	\$18.41	\$14.08	\$20.57	\$17.98	\$38,289
Packaging and Filling Machine Operators and Tenders	51-9111	\$17.77	\$12.67	\$20.31	\$15.44	\$36,951
Packers and Packagers, Hand	53-7064	\$14.89	\$10.57	\$17.05	\$14.68	\$30,968
Plant and System Operators, All Other	51-8099	\$33.14	\$27.58	\$35.92	\$31.52	\$68,925
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	51-4193	\$16.74	\$11.90	\$19.16	\$14.94	\$34,828
Production Workers, All Other	51-9199	\$18.48	\$11.16	\$22.15	\$18.06	\$38,445
Structural Metal Fabricators and Fitters	51-2041	\$20.35	\$16.75	\$22.15	\$20.03	\$42,327
Tank Car, Truck, and Ship Loaders	53-7121	\$18.02	\$15.10	\$19.49	\$18.13	\$37,490
Tool and Die Makers	51-4111	\$26.48	\$19.94	\$29.75	\$26.69	\$55,082
Water and Wastewater Treatment Plant and System Operators	51-8031	\$24.41	\$15.23	\$29.01	\$25.51	\$50,779
Welders, Cutters, Solderers, and Brazers	51-4121	\$20.91	\$16.05	\$23.35	\$19.71	\$43,497
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	51-4122	\$19.43	\$16.02	\$21.14	\$19.12	\$40,420

The 2022 Iowa Wage data for the Statewide Laborshed area was produced by the Labor Force & Occupational Analysis Bureau to provide communities local information on wages by occupation. The source of the wage and employment data is based on the May 2021 OEWS estimates. Additional occupational wage and employment data can be found at [www.iowalmi.gov/laborshed](http://www.iowalmi.gov/laborshed).

Balance of data compiled by Iowa Workforce Development using Laborshed data released in 2022.