

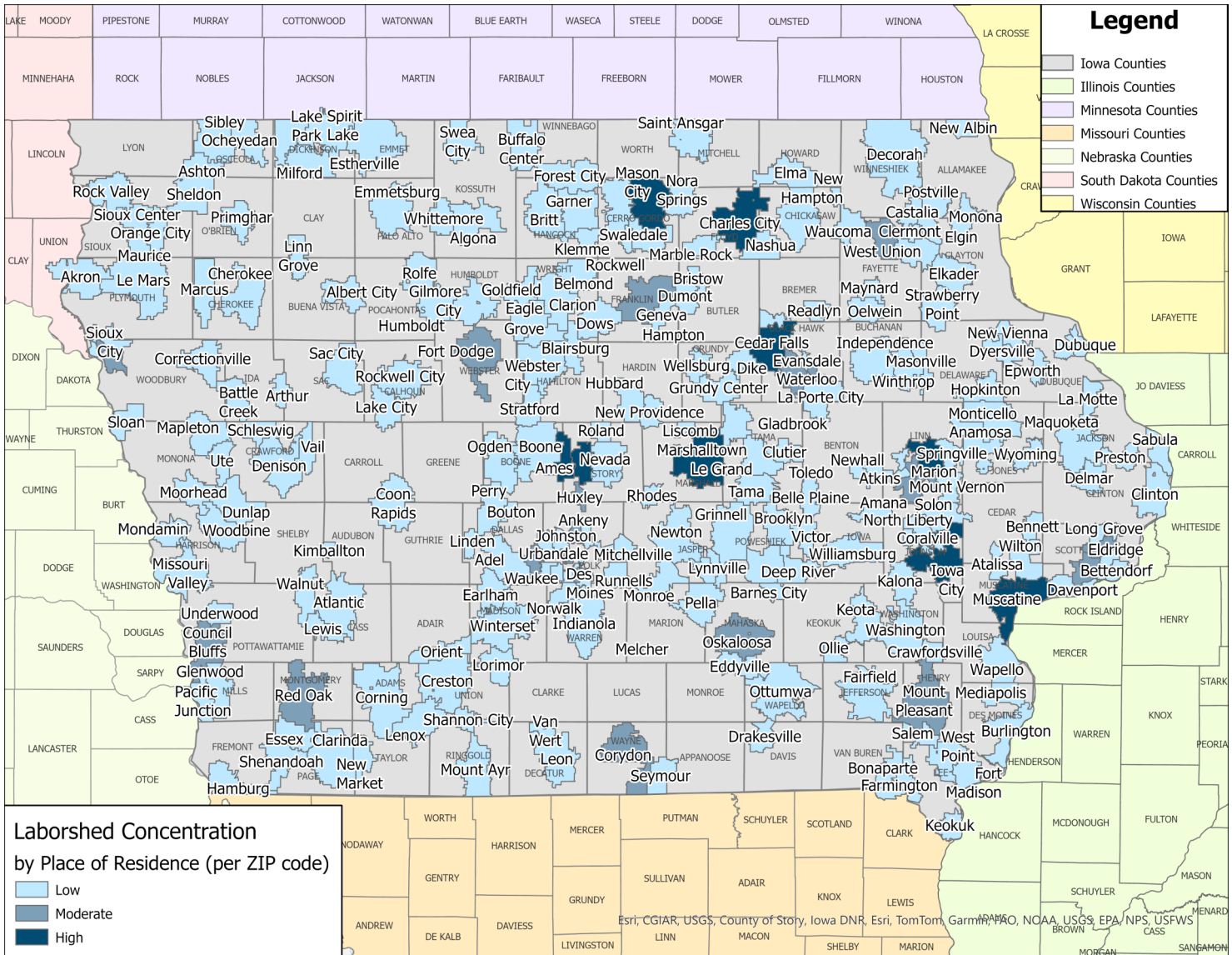
LABOR CHARACTERISTICS

BIOTECHNOLOGY



STATEWIDE 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 16 miles one way for work. Those who are likely to change/accept employment are willing to commute an average of 30 miles one way for the right employment opportunity.

FOR MORE INFORMATION REGARDING THE STATEWIDE REGIONAL LABORSHED, CONTACT:

Iowa Workforce Development
 Labor Market Information Division
 1000 E. Grand Avenue, Des Moines, Iowa 50319
 Phone: (515) 281-3035 | Email: laborshed.studies@iwd.iowa.gov
<https://workforce.iowa.gov/laborshed>



Iowa Workforce Development
 Economic Development

LABOR CHARACTERISTICS

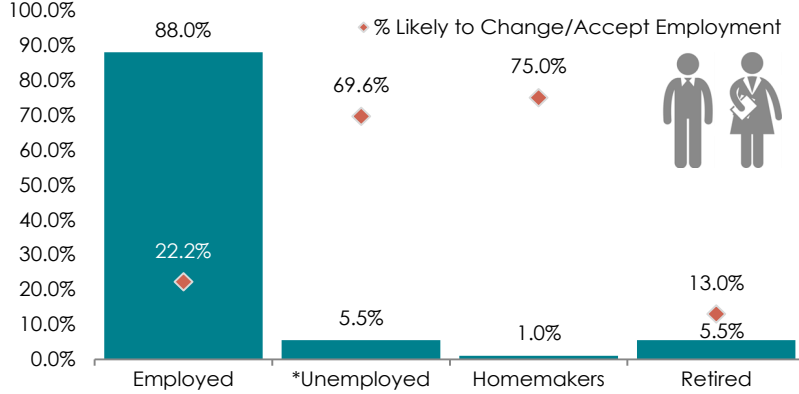


BIOTECHNOLOGY

ESTIMATED AVAILABLE LABOR PER OCCUPATIONAL CATEGORY:

- Agricultural and Food Science Technicians - 0.2%
- Agricultural Inspectors - 0.2%
- Agricultural Workers, All Other - 0.5%
- Animal Breeders - 0.2%
- Architectural and Engineering Managers - 5.3%
- Biological Scientists, All Other - 1%
- Buyers and Purchasing Agents, Farm Products - 0.5%
- Chemical Equipment Operators and Tenders - 0.5%
- Chemical Technicians - 1%
- Chemists - 0.2%
- Conservation Scientists - 0.7%
- Dietetic Technicians - 0.5%
- Dietitians and Nutritionists - 0.7%
- Engineering Technicians, Except Drafters, All Other - 2.6%
- Engineers, All Other - 10.6%
- Environmental Engineering Technicians - 0.2%
- Environmental Scientists and Specialists, Including Health - 1.2%
- Farmers, Ranchers, and Other Agricultural Managers - 25.2%
- Farmworkers and Laborers, Crop, Nursery, and Greenhouse - 2.9%
- Farmworkers, Farm, Ranch, and Aquacultural Animals - 1.9%
- First-Line Supervisors of Farming, Fishing, and Forestry Workers - 1.2%
- First-Line Supervisors of Production and Operating Workers - 7.7%
- Industrial Engineers - 3.8%
- Industrial Production Managers - 10.3%
- Inspectors, Testers, Sorters, Samplers, and Weighers - 5.8%
- Life, Physical, and Social Science Technicians, All Other - 2.6%
- Medical and Clinical Laboratory Technicians - 2.9%
- Medical and Clinical Laboratory Technologists - 1%
- Medical Scientists, Except Epidemiologists - 0.2%
- Natural Sciences Managers - 3.1%
- Plant and System Operators, All Other - 0.2%
- Separating, Filtering, Clarifying, Precipitating, and Still Machine Operators, and Tenders - 0.5%
- Soil and Plant Scientists - 0.7%
- Veterinary Technologists and Technicians - 1%
- Water and Wastewater Treatment Plant and System Operators - 2.2%
- Zoologists and Wildlife Biologists - 0.5%

ESTIMATED TOTAL BY EMPLOYMENT STATUS (PERCENTAGE):



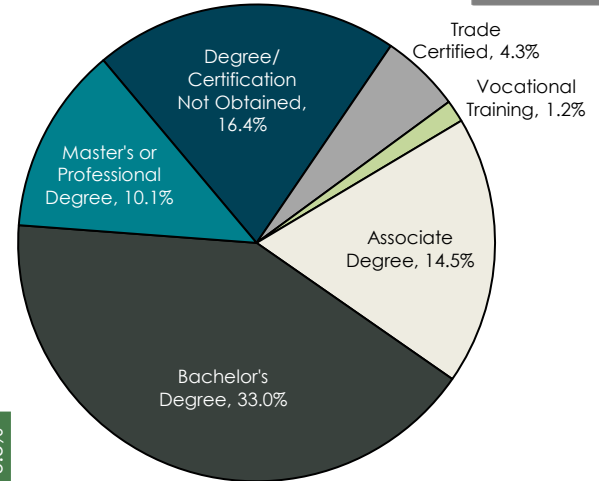
*Employment status is self-identified by the survey respondent. The unemployment percentage does not reflect the unemployment rate published by the U.S. Bureau of Labor Statistics, which applies a stricter definition.

EMPLOYMENT STATS:

- 50.5% paid an annual salary
- 96.9% are/were employed full-time
- 3.1% are/were employed part-time
- 27.5% are/were self-employed
- 17.0% hold two or more jobs
- Currently working an average of 49 hours/week

EDUCATIONAL LEVEL:

(79.5% HAVE AN EDUCATION BEYOND HIGH SCHOOL)



UNDEREMPLOYMENT (ESTIMATED):

- Low hours - 0.7%
- Mismatch of skills - 7.0%
- Low income - 0.2%
- Total - 7.2%

(Individuals counted only once when estimating Total Underemployment.)

CURRENT BENEFITS:



DESIRED BENEFITS:



TOP JOB SEARCH RESOURCES:

(For those seeking employment opportunities, by use.)

- Internet - 77.5%
 - www.indeed.com
 - www.linkedin.com
 - [Company/Organization Websites](#)
- Networking through friends, family or acquaintances - 50.5%
- IowaWORKS Centers - 19.4%
- Private Employment Services - 15.4%



LABOR CHARACTERISTICS



BIOTECHNOLOGY

OCCUPATION	OCCUPATIONAL CODE	MEAN WAGE	MEDIAN WAGE	MEAN SALARY	MEDIAN SALARY
Agricultural Engineers	17-2021	\$52.39	\$46.29	\$108,971.20	\$96,290.00
Agricultural Inspectors	45-2011	\$27.12	\$23.85	\$56,409.60	\$49,600.00
Agricultural Workers, All Other	45-2099	\$20.09	\$19.29	\$41,787.20	\$40,130.00
Animal Scientists	19-1011	\$48.53	\$36.20	\$100,942.40	\$75,290.00
Architectural and Engineering Managers	11-9041	\$73.59	\$70.83	\$153,067.20	\$147,326.40
Biochemists and Biophysicists	19-1021	\$46.55	\$48.60	\$96,824.00	\$101,090.00
Biological Scientists, All Other	19-1029	\$43.05	\$39.77	\$89,544.00	\$82,720.00
Biological Technicians	19-4021	\$26.19	\$23.10	\$54,475.20	\$48,050.00
Biomedical Engineers	17-2031	\$45.09	\$39.28	\$93,787.20	\$81,710.00
Chemical Engineers	17-2041	\$53.88	\$56.54	\$112,070.40	\$117,590.00
Chemical Equipment Operators and Tenders	51-9011	\$29.05	\$27.67	\$60,424.00	\$57,550.00
Chemical Plant and System Operators	51-8091	\$28.04	\$29.06	\$58,323.20	\$60,440.00
Chemical Technicians	19-4031	\$28.13	\$27.93	\$58,510.40	\$58,090.00
Chemists	19-2031	\$45.23	\$41.39	\$94,078.40	\$86,100.00
Conservation Scientists	19-1031	\$34.43	\$33.29	\$71,614.40	\$69,240.00
Cooling and Freezing Equipment Operators and Tenders	51-9193	\$30.65	\$30.06	\$63,752.00	\$62,520.00
Dietetic Technicians	29-2051	\$16.69	\$16.93	\$34,715.20	\$35,220.00
Dietitians and Nutritionists	29-1031	\$34.28	\$34.95	\$71,302.40	\$72,690.00
Engineering Technicians, Except Drafters, All Other	17-3029	\$31.95	\$30.35	\$66,456.00	\$63,120.00
Engineers, All Other	17-2199	\$49.79	\$49.56	\$103,563.20	\$103,090.00
Environmental Engineering Technicians	17-3025	\$29.75	\$28.22	\$61,880.00	\$58,690.00
Environmental Engineers	17-2081	\$46.98	\$45.59	\$97,718.40	\$94,830.00
Environmental Scientists and Specialists, Including Health	19-2041	\$39.26	\$37.88	\$81,660.80	\$78,780.00
Farmers, Ranchers, and Other Agricultural Managers	11-9013	\$40.23	\$37.47	\$83,678.40	\$77,937.60
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	45-2092	\$18.01	\$18.07	\$37,460.80	\$37,590.00
Farmworkers, Farm, Ranch, and Aquacultural Animals	45-2093	\$18.57	\$17.54	\$38,625.60	\$36,480.00
First-Line Supervisors of Farming, Fishing, and Forestry Workers	45-1011	\$31.64	\$28.44	\$65,811.20	\$59,150.00
First-Line Supervisors of Production and Operating Workers	51-1011	\$35.67	\$35.94	\$74,193.60	\$74,750.00
Food Scientists and Technologists	19-1012	\$39.70	\$39.43	\$82,576.00	\$82,010.00
Foresters	19-1032	\$40.09	\$39.91	\$83,387.20	\$83,000.00
Graders and Sorters, Agricultural Products	45-2041	\$22.38	\$20.41	\$46,550.40	\$42,450.00
Hydrologists	19-2043	\$43.62	\$39.02	\$90,729.60	\$81,150.00
Industrial Engineers	17-2112	\$48.03	\$46.96	\$99,902.40	\$97,690.00
Industrial Production Managers	11-3051	\$56.76	\$51.21	\$118,060.80	\$106,516.80
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$25.94	\$24.40	\$53,955.20	\$50,740.00
Life Scientists, All Other	19-1099	\$36.32	\$30.90	\$75,545.60	\$64,270.00
Life, Physical, and Social Science Technicians, All Other	19-4099	\$26.50	\$24.27	\$55,120.00	\$50,480.00
Materials Scientists	19-2032	\$47.62	\$42.46	\$99,049.60	\$88,320.00
Medical Scientists, Except Epidemiologists	19-1042	\$46.24	\$40.31	\$96,179.20	\$83,850.00
Microbiologists	19-1022	\$43.83	\$38.38	\$91,166.40	\$79,830.00
Natural Sciences Managers	11-9121	\$60.46	\$52.77	\$125,756.80	\$109,761.60
Nuclear Medicine Technologists	29-2033	\$44.29	\$44.66	\$92,123.20	\$92,890.00
Petroleum Pump System Operators, Refinery Operators, and Gaugers	51-8093	\$41.84	\$43.34	\$87,027.20	\$90,160.00
Plant and System Operators, All Other	51-8099	\$37.54	\$36.44	\$78,083.20	\$75,800.00
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012	\$26.91	\$25.11	\$55,972.80	\$52,220.00
Soil and Plant Scientists	19-1013	\$50.21	\$46.30	\$104,436.80	\$96,310.00
Veterinary Technologists and Technicians	29-2056	\$22.60	\$21.90	\$47,008.00	\$45,560.00
Water and Wastewater Treatment Plant and System Operators	51-8031	\$29.23	\$29.32	\$60,798.40	\$60,990.00
Zoologists and Wildlife Biologists	19-1023	\$38.52	\$39.91	\$80,121.60	\$83,000.00

The 2025 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. Additional occupational wage and employment data for the Statewide Laborshed area can be found at workforce.iowa.gov/laborshed/data.

Balance of data compiled by Iowa Workforce Development using Laborshed data released in 2026.