

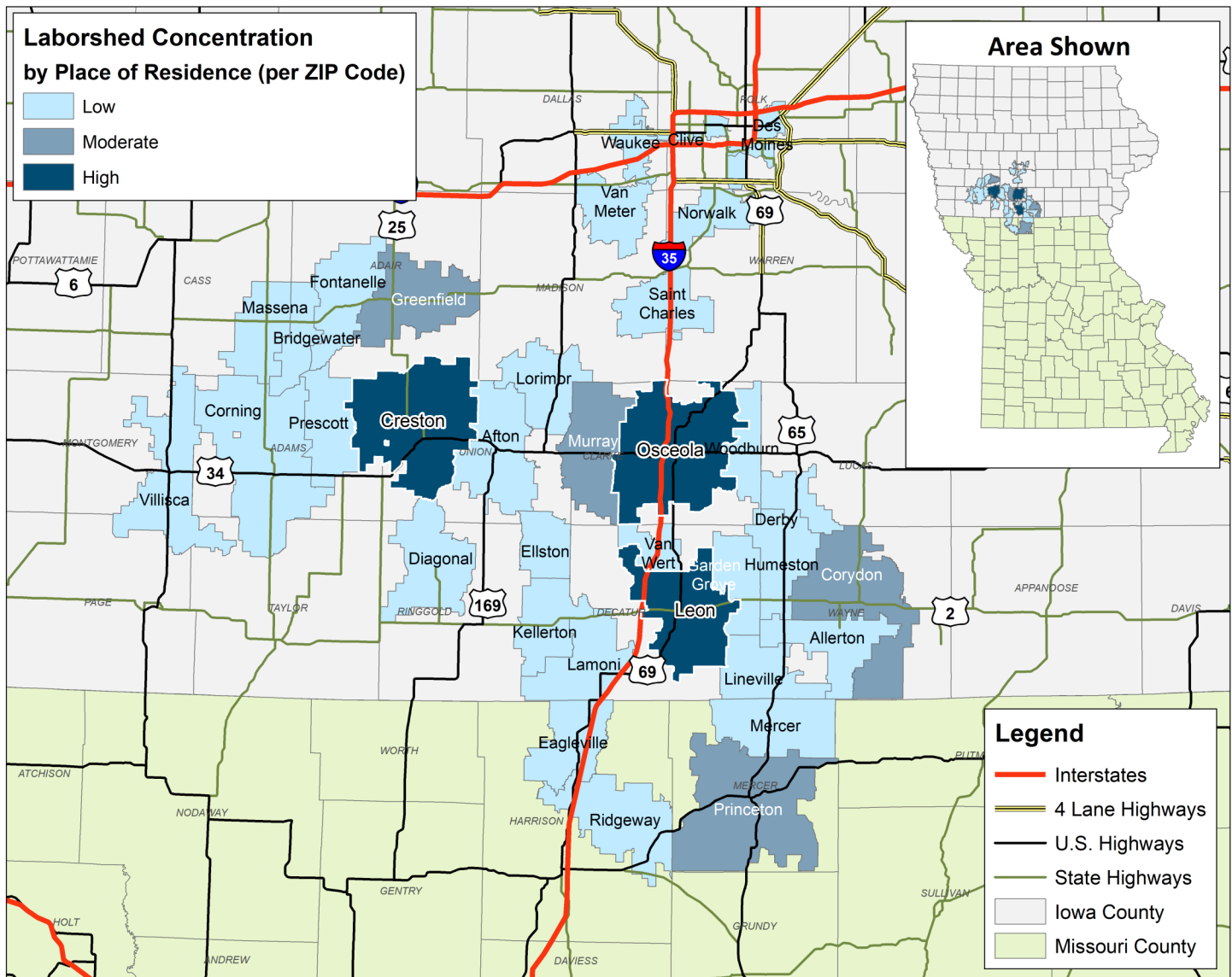
LABOR CHARACTERISTICS

BIOTECHNOLOGY



SOUTH CENTRAL IOWA REGIONAL 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 14 miles one way for work. Those who are likely to change/accept employment are willing to commute an average of 25 miles one way for the right employment opportunity.

FOR MORE INFORMATION REGARDING THE SOUTH CENTRAL IOWA REGIONAL LABORSHED, CONTACT:

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ESTIMATED AVAILABLE LABOR PER OCCUPATIONAL CATEGORY:

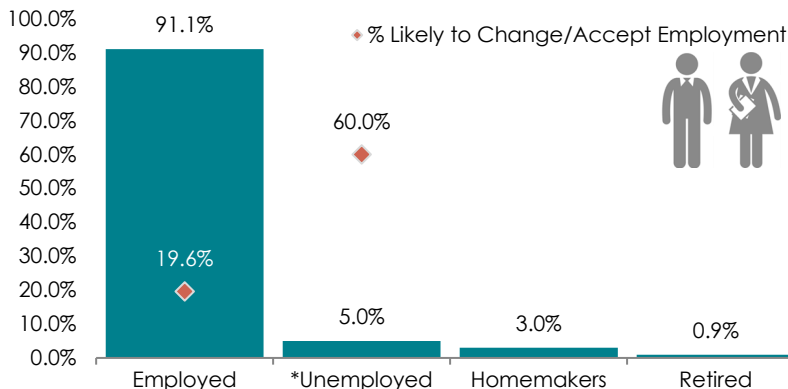
- Agricultural Workers, All Other - 1%
- Architectural and Engineering Managers - 1%
- Biological Scientists, All Other - 1%
- Chemical Plant and System Operators - 1%
- Chemists - 1%
- Conservation Scientists - 1%
- Dietetic Technicians - 1%
- Dietitians and Nutritionists - 3%
- Engineers, All Other - 5%
- Environmental Scientists and Specialists, Including Health - 1%
- Farmers, Ranchers, and Other Agricultural Managers - 44.2%
- Farmworkers and Laborers, Crop, Nursery, and Greenhouse - 5%
- Farmworkers, Farm, Ranch, and Aquacultural Animals - 3%
- First-Line Supervisors of Farming, Fishing, and Forestry Workers - 3%
- First-Line Supervisors of Production and Operating Workers - 9.9%
- Industrial Engineers - 2%
- Industrial Production Managers - 6.9%
- Life, Physical, and Social Science Technicians, All Other - 2%
- Medical and Clinical Laboratory Technicians - 2%
- Medical and Clinical Laboratory Technologists - 2%
- Medical Scientists, Except Epidemiologists - 1%
- Soil and Plant Scientists - 1%
- Veterinary Technologists and Technicians - 1%
- Zoologists and Wildlife Biologists - 1%

UNDEREMPLOYMENT (ESTIMATED):

- Low hours - 0.0%
- Low income - 2.0%
- Mismatch of skills - 5.9%
- Total - 7.9%

(Individuals counted only once when estimating Total Underemployment.)

ESTIMATED TOTAL BY EMPLOYMENT STATUS (PERCENTAGE):



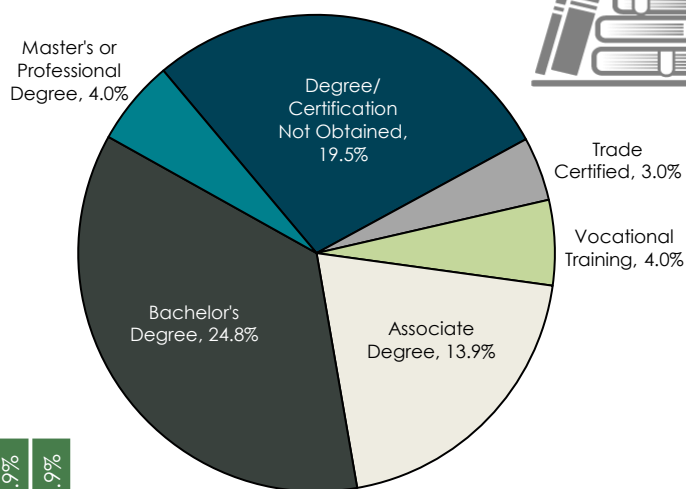
*Employment status is self-identified by the survey respondent. The unemployment percentage does not reflect the unemployment rate published by the U.S. Bureau of Labor Statistics, which applies a stricter definition.

EMPLOYMENT STATS:

- 36.6% paid an annual salary
- 96.0% are/were employed full-time
- 4.0% are/were employed part-time
- 55.4% are/were self-employed
- 17.6% hold two or more jobs
- Currently working an average of 53 hours/week

EDUCATIONAL LEVEL:

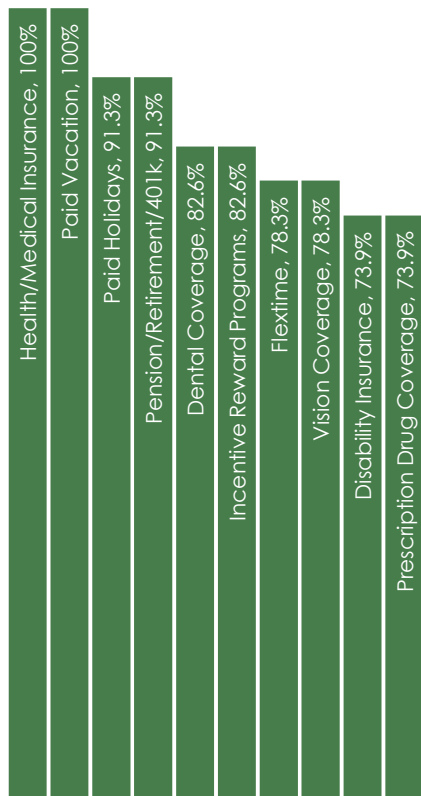
(69.2% HAVE AN EDUCATION BEYOND HIGH SCHOOL)



CURRENT BENEFITS:



DESIRED BENEFITS:



TOP JOB SEARCH RESOURCES:

(For those seeking employment opportunities, by use.)

- Internet - 67.4%
 - www.indeed.com
 - www.linkedin.com
 - www.iowaworks.gov
- Networking through friends, family or acquaintances - 55.8%
- IowaWORKS Centers - 24.2%
- Newspapers - 23.2%
 - Creston News Advertiser
 - Osceola Sentinel-Tribune
 - The Des Moines Register



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OCCUPATION	OCCUPATIONAL CODE	MEAN WAGE	ENTRY WAGE	EXPERIENCED WAGE	MEDIAN WAGE	MEAN ANNUAL SALARY
Agricultural Engineers	17-2021	\$59.25	\$38.42	\$69.66	\$48.74	\$123,237
Agricultural Inspectors	45-2011	\$27.22	\$19.75	\$30.95	\$23.58	\$56,611
Animal Scientists	19-1011	\$36.86	\$28.70	\$40.94	\$37.77	\$76,668
Architectural and Engineering Managers	11-9041	\$64.53	\$46.93	\$73.33	\$61.74	\$134,222
Biochemists and Biophysicists	19-1021	\$58.64	\$38.86	\$68.53	\$67.83	\$121,970
Biological Scientists, All Other	19-1029	\$39.31	\$27.62	\$45.15	\$37.81	\$81,761
Biological Technicians	19-4021	\$31.48	\$18.06	\$38.19	\$30.70	\$65,481
Biomedical Engineers	17-2031	\$33.71	\$30.02	\$35.56	\$31.71	\$70,125
Chemical Engineers	17-2041	\$50.20	\$36.32	\$57.15	\$49.20	\$104,422
Chemical Equipment Operators and Tenders	51-9011	\$22.18	\$16.39	\$25.08	\$22.34	\$46,136
Chemical Technicians	19-4031	\$22.58	\$16.94	\$25.40	\$23.14	\$46,965
Chemists	19-2031	\$34.46	\$23.85	\$39.76	\$30.00	\$71,668
Conservation Scientists	19-1031	\$30.18	\$21.57	\$34.48	\$29.59	\$62,775
Dietetic Technicians	29-2051	\$14.90	\$13.21	\$15.75	\$14.26	\$31,002
Dietitians and Nutritionists	29-1031	\$28.92	\$21.53	\$32.61	\$29.26	\$60,145
Engineering Technicians, Except Drafters, All Other	17-3029	\$28.79	\$20.91	\$32.74	\$29.93	\$59,892
Engineers, All Other	17-2199	\$41.98	\$30.11	\$47.91	\$46.25	\$87,313
Environmental Engineering Technicians	17-3025	\$24.77	\$19.69	\$27.31	\$23.02	\$51,519
Environmental Scientists and Specialists, Including Health	19-2041	\$36.09	\$26.26	\$41.01	\$39.47	\$75,070
Farmers, Ranchers, and Other Agricultural Managers	11-9013	\$29.04	\$10.18	\$38.47	\$25.04	\$60,408
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	45-2092	\$14.21	\$11.10	\$15.76	\$14.07	\$29,548
Farmworkers, Farm, Ranch, and Aquacultural Animals	45-2093	\$14.85	\$12.09	\$16.23	\$14.07	\$30,893
First-Line Supervisors of Farming, Fishing, and Forestry Workers	45-1011	\$26.62	\$17.73	\$31.07	\$23.85	\$55,371
First-Line Supervisors of Production and Operating Workers	51-1011	\$29.51	\$20.34	\$34.10	\$29.33	\$61,389
Food Scientists and Technologists	19-1012	\$41.54	\$26.62	\$49.00	\$37.98	\$86,405
Foresters	19-1032	\$36.25	\$29.48	\$39.63	\$36.81	\$75,399
Industrial Engineers	17-2112	\$41.76	\$31.31	\$46.98	\$38.68	\$86,851
Industrial Production Managers	11-3051	\$48.73	\$33.44	\$56.37	\$47.22	\$101,357
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$20.67	\$15.13	\$23.45	\$18.74	\$43,003
Life, Physical, and Social Science Technicians, All Other	19-4099	\$19.19	\$14.32	\$21.62	\$18.18	\$39,908
Medical Scientists, Except Epidemiologists	19-1042	\$51.56	\$30.24	\$62.23	\$48.31	\$107,253
Natural Sciences Managers	11-9121	\$52.83	\$44.00	\$57.25	\$47.83	\$109,888
Nuclear Medicine Technologists	29-2033	\$36.61	\$29.82	\$40.01	\$38.59	\$76,156
Plant and System Operators, All Other	51-8099	\$32.36	\$27.68	\$34.70	\$31.86	\$67,307
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012	\$22.53	\$17.69	\$24.95	\$23.97	\$46,864
Soil and Plant Scientists	19-1013	\$42.42	\$23.89	\$51.68	\$37.98	\$88,230
Veterinary Technologists and Technicians	29-2056	\$17.33	\$13.82	\$19.09	\$17.59	\$36,050
Water and Wastewater Treatment Plant and System Operators	51-8031	\$26.23	\$18.62	\$30.03	\$24.99	\$54,560
Zoologists and Wildlife Biologists	19-1023	\$28.12	\$21.80	\$31.28	\$29.14	\$58,488

The 2023 Iowa Wage data for the South Central Iowa Regional 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 2022 OEWS estimates. Additional occupational wage and employment data can be found at www.iowalmi.gov/laborshed.

Balance of data compiled by Iowa Workforce Development using Laborshed data released in 2023.