

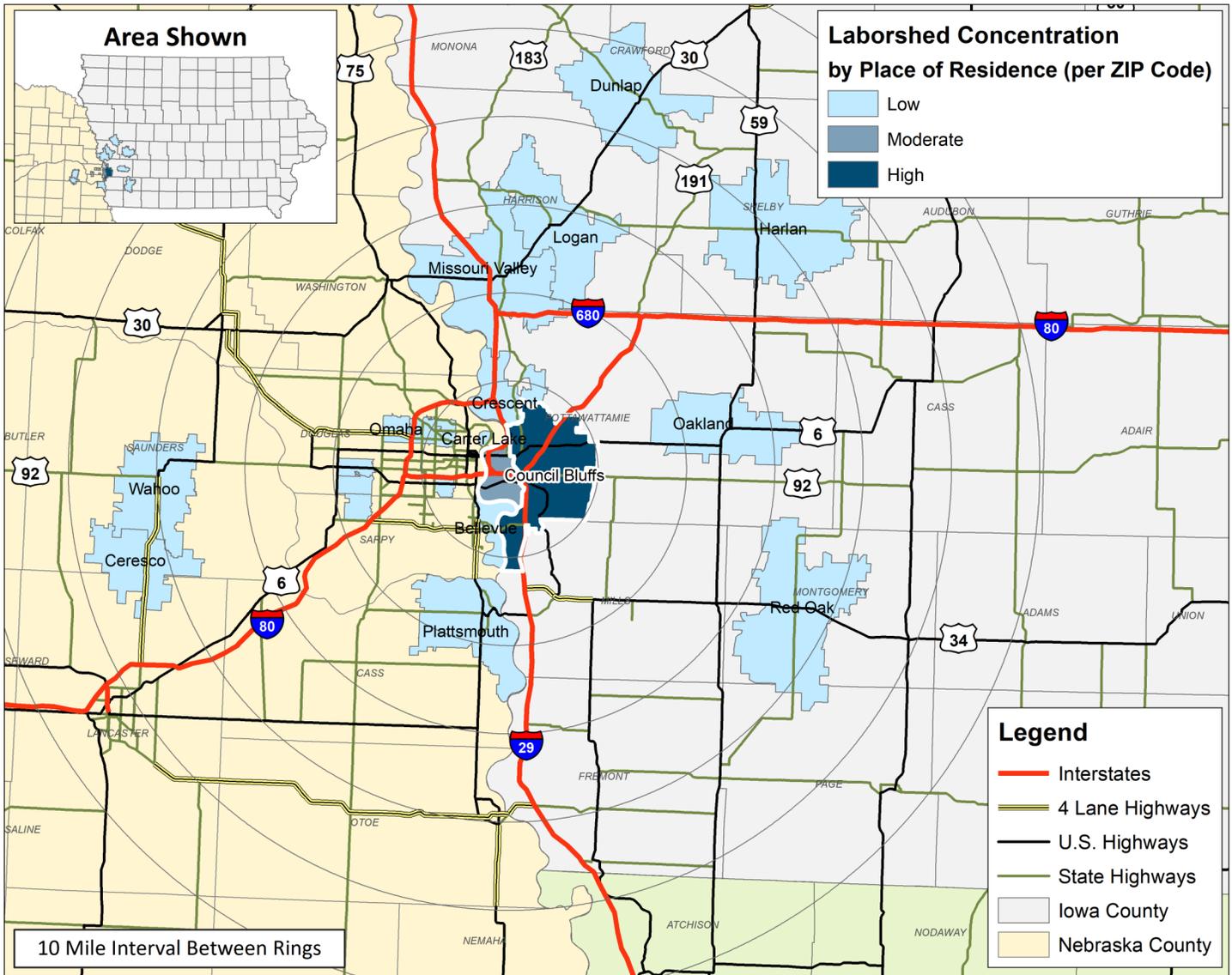
LABOR CHARACTERISTICS

BIOTECHNOLOGY



COUNCIL BLUFFS 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 11 miles one way for work. Those who are likely to change/accept employment are willing to commute an average of 23 miles one way for the right employment opportunity.

FOR MORE INFORMATION REGARDING THE COUNCIL BLUFFS, IA LABORSHED, CONTACT:

LABOR CHARACTERISTICS



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ESTIMATED AVAILABLE LABOR PER OCCUPATIONAL CATEGORY:

- Agricultural & Food Science Technicians - 2,543
- Agricultural Workers, All Other - 1,272
- Chemical Equipment Operators & Tenders - 1,273
- Chemists - 1,270
- Engineers, All Other - 10,169
- Environmental Engineers - 1,268
- Farmers, Ranchers, & Other Agricultural Managers - 6,356
- Industrial Engineers - 1,269
- Industrial Production Managers - 2,542
- Inspectors, Testers, Sorters, Samplers, & Weighers - 2,545
- Medical & Clinical Laboratory Technicians - 1,271
- Supervisors of Production & Operating Workers - 2,544

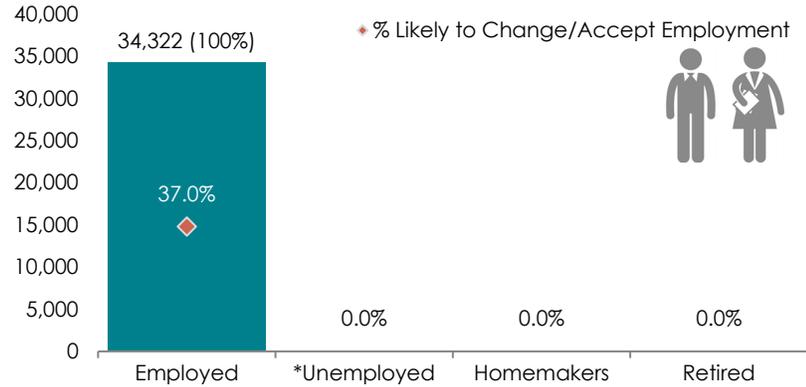
AN ESTIMATED TOTAL OF **34,322** PEOPLE IN THE LABORSHED AREA

UNDEREMPLOYMENT (ESTIMATED):

- Low hours - 0.0%
- Mismatch of skills - 0.0%
- Low income - 0.0%
- Total - 0.0%

(Individuals counted only once when estimating Total Underemployment.)

ESTIMATED TOTAL BY EMPLOYMENT STATUS (PERCENTAGE):



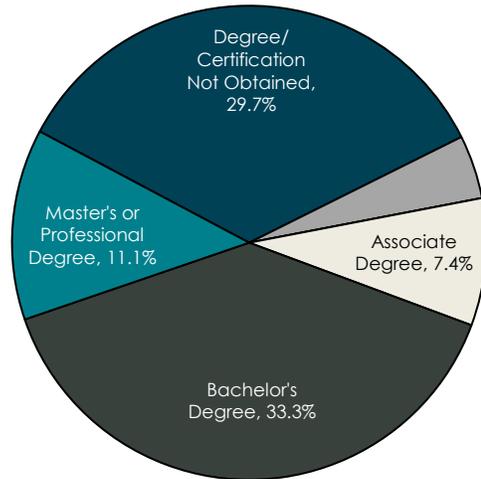
**Employment status is self-identified by the survey respondent. The unemployment percentage does not reflect the unemployment rate published by the U.S. Bureau of Labor Statistics, which applies a stricter definition.*

EMPLOYMENT STATS:

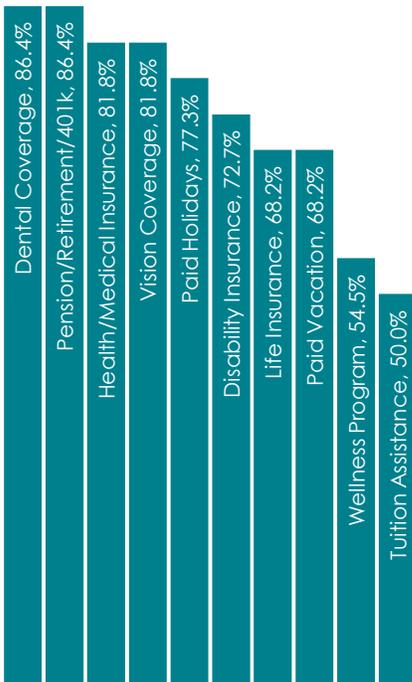
- 48.1% paid an hourly wage
- 96.3% are/were employed full-time
- 3.7% are/were employed part-time
- 18.5% are/were self-employed
- 7.4% hold two or more jobs
- Currently working an average of 48 hours/week

EDUCATIONAL LEVEL:

(85.2% HAVE AN EDUCATION BEYOND HIGH SCHOOL)



CURRENT BENEFITS:



DESIRED BENEFITS:



TOP JOB SEARCH RESOURCES:

(For those seeking employment opportunities, by use.)

- Internet - 73.1%
 - www.indeed.com
 - www.linkedin.com
 - www.monster.com
- Networking through friends, family or acquaintances - 34.6%
- IowaWORKS Centers - 26.9%
- Private Employment Services - 26.9%



WORKPLACE FLEXIBILITY:

(by percent of interest)

- Job teams - 71.4%
- Job sharing - 57.1%
- Varied shifts - 33.3%
- Cross-training - 28.6%
- Seasonal work - 0.0%
- Temporary work - 0.0%



LABOR CHARACTERISTICS



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OCCUPATION	OCCUPATIONAL CODE	MEAN WAGE	ENTRY WAGE	EXPERIENCED WAGE	MEDIAN WAGE	MEAN ANNUAL SALARY
Agricultural and Food Science Technicians	19-4011	\$19.05	\$14.59	\$21.28	\$17.89	\$39,625
Agricultural Inspectors	45-2011	\$19.93	\$15.28	\$22.26	\$19.56	\$41,460
Animal Scientists	19-1011	\$37.92	\$23.03	\$45.36	\$36.20	\$78,871
Architectural and Engineering Managers	11-9041	\$61.62	\$45.13	\$69.86	\$60.02	\$128,170
Biological Scientists, All Other	19-1029	\$36.84	\$24.63	\$42.95	\$37.63	\$76,634
Biological Technicians	19-4021	\$20.35	\$13.57	\$23.73	\$18.98	\$42,319
Biomedical Engineers	17-2031	\$39.85	\$23.17	\$48.19	\$29.11	\$82,888
Chemical Engineers	17-2041	\$43.71	\$34.63	\$48.24	\$42.57	\$90,909
Chemical Equipment Operators and Tenders	51-9011	\$20.32	\$16.43	\$22.27	\$20.72	\$42,273
Chemical Technicians	19-4031	\$24.92	\$15.81	\$29.48	\$21.98	\$51,838
Chemists	19-2031	\$38.62	\$21.21	\$47.33	\$40.57	\$80,337
Conservation Scientists	19-1031	\$31.62	\$20.74	\$37.06	\$30.19	\$65,777
Cooling and Freezing Equipment Operators and Tenders	51-9193	\$14.41	\$12.74	\$15.24	\$14.12	\$29,974
Dietetic Technicians	29-2051	\$16.48	\$12.98	\$18.23	\$15.15	\$34,272
Dietitians and Nutritionists	29-1031	\$28.04	\$20.33	\$31.89	\$28.45	\$58,324
Engineering Technicians, Except Drafters, All Other	17-3029	\$27.40	\$18.39	\$31.91	\$26.50	\$56,989
Engineers, All Other	17-2199	\$38.88	\$19.61	\$48.51	\$39.11	\$80,861
Environmental Engineering Technicians	17-3025	\$26.34	\$18.00	\$30.51	\$25.17	\$54,795
Environmental Engineers	17-2081	\$42.90	\$29.75	\$49.48	\$44.22	\$89,240
Environmental Science and Protection Technicians, Including Health	19-4091	\$23.80	\$15.47	\$27.97	\$23.61	\$49,506
Environmental Scientists and Specialists, Including Health	19-2041	\$29.99	\$21.06	\$34.45	\$28.12	\$62,373
Farmers, Ranchers, and Other Agricultural Managers	11-9013	\$26.81	\$20.30	\$30.06	\$23.56	\$55,758
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	45-2092	\$12.36	\$10.39	\$13.34	\$12.22	\$25,704
Farmworkers, Farm, Ranch, and Aquacultural Animals	45-2093	\$14.95	\$10.29	\$17.28	\$13.85	\$31,092
First-Line Supervisors of Farming, Fishing, and Forestry Workers	45-1011	\$25.39	\$16.57	\$29.80	\$23.30	\$52,813
First-Line Supervisors of Production and Operating Workers	51-1011	\$29.80	\$20.12	\$34.64	\$28.53	\$61,993
Food Scientists and Technologists	19-1012	\$34.98	\$24.09	\$40.42	\$33.31	\$72,753
Forest and Conservation Technicians	19-4093	\$20.46	\$13.22	\$24.08	\$21.42	\$42,555
Foresters	19-1032	\$30.20	\$21.83	\$34.39	\$28.45	\$62,824
Graders and Sorters, Agricultural Products	45-2041	\$13.52	\$12.24	\$14.16	\$13.38	\$28,117
Hydrologists	19-2043	\$31.35	\$22.92	\$35.57	\$31.16	\$65,213
Industrial Engineers	17-2112	\$41.63	\$30.19	\$47.34	\$39.95	\$86,583
Industrial Production Managers	11-3051	\$48.89	\$30.69	\$57.99	\$46.25	\$101,695
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$20.85	\$13.98	\$24.29	\$19.36	\$43,373
Life, Physical, and Social Science Technicians, All Other	19-4099	\$25.67	\$16.19	\$30.41	\$25.29	\$53,391
Medical Scientists, Except Epidemiologists	19-1042	\$39.93	\$19.78	\$50.01	\$25.51	\$83,059
Microbiologists	19-1022	\$30.47	\$21.17	\$35.12	\$29.60	\$63,387
Natural Sciences Managers	11-9121	\$43.12	\$28.93	\$50.21	\$41.95	\$89,684
Nuclear Medicine Technologists	29-2033	\$35.05	\$28.00	\$38.58	\$34.63	\$72,910
Petroleum Engineers	17-2171	\$54.72	\$39.03	\$62.57	\$48.47	\$113,817
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012	\$18.95	\$14.19	\$21.33	\$18.49	\$39,411
Soil and Plant Scientists	19-1013	\$29.71	\$21.96	\$33.58	\$28.21	\$61,791
Veterinary Technologists and Technicians	29-2056	\$16.51	\$13.72	\$17.90	\$16.79	\$34,333
Water and Wastewater Treatment Plant and System Operators	51-8031	\$22.97	\$17.24	\$25.83	\$23.08	\$47,769
Zoologists and Wildlife Biologists	19-1023	\$30.72	\$24.03	\$34.07	\$29.11	\$63,896

The 2019 Iowa Wage data for the Council Bluffs 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 2018 OES estimates. Additional occupational wage and employment data can be found at www.iowalmi.gov/laborshed.