

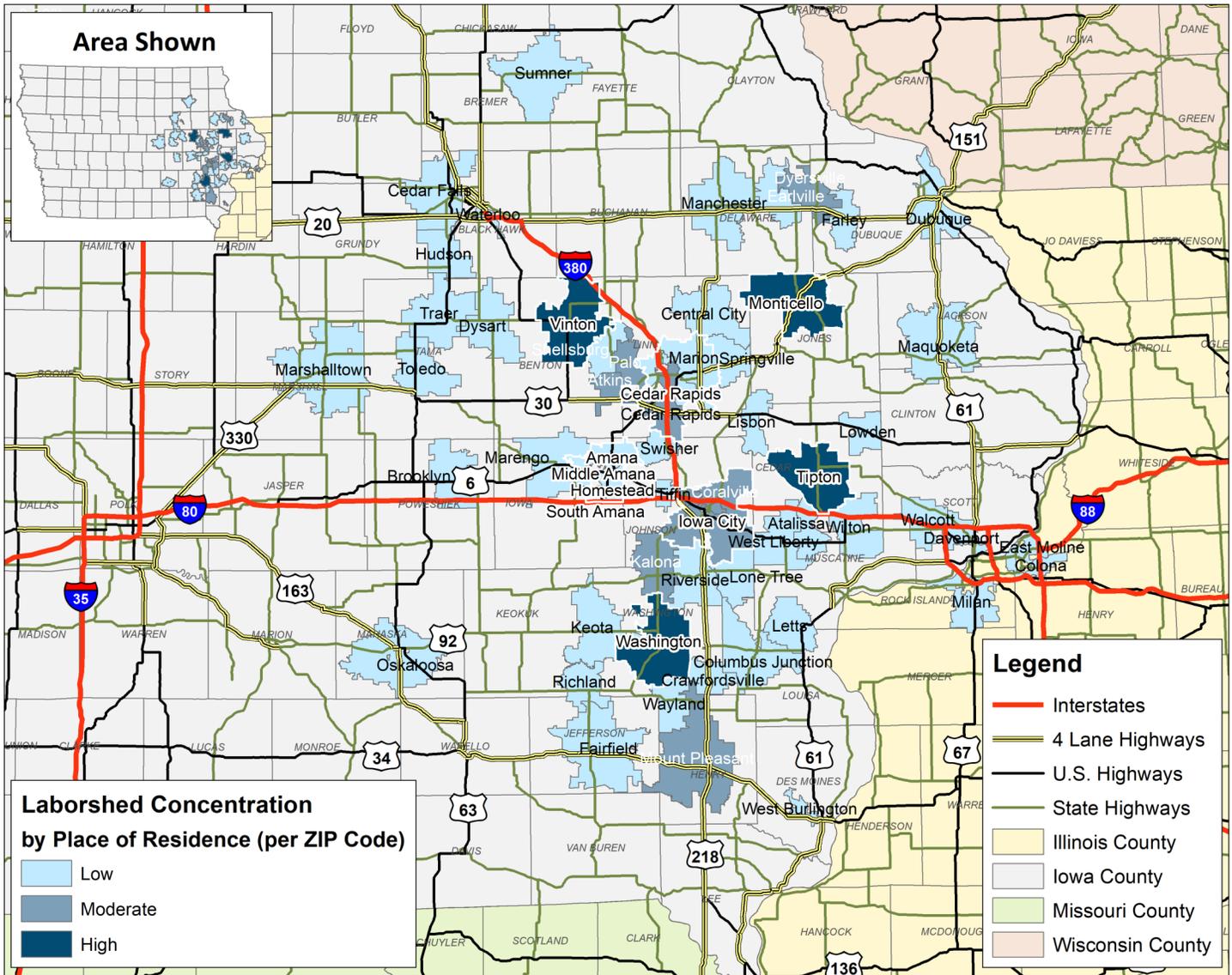
# LABOR CHARACTERISTICS

## BIOTECHNOLOGY



### IOWA CITY/CEDAR RAPIDS REGION 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 28 miles one way for the right employment opportunity.

**FOR MORE INFORMATION REGARDING THE IOWA CITY/CEDAR RAPIDS REGION, IA LABORSHED, CONTACT:**

# LABOR CHARACTERISTICS

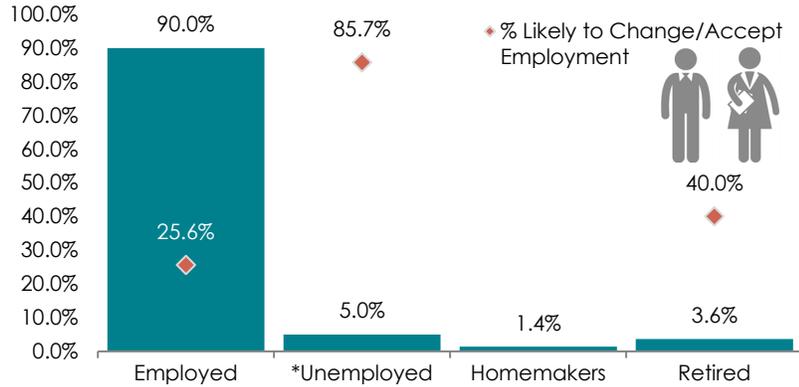


# BIOTECHNOLOGY

## ESTIMATED AVAILABLE LABOR PER OCCUPATIONAL CATEGORY:

- Agricultural Workers, All Other - 2.1%
- Architectural and Engineering Managers - 1.4%
- Biological Scientists, All Other - 0.7%
- Buyers and Purchasing Agents, Farm Products - 0.7%
- Conservation Scientists - 1.4%
- Dietetic Technicians - 1.4%
- Dietitians and Nutritionists - 2.1%
- Engineering Technicians, Except Drafters, All Other - 1.4%
- Engineers, All Other - 18.6%
- Environmental Scientists and Specialists, Including Health - 0.7%
- Farmers, Ranchers, and Other Agricultural Managers - 24.3%
- Farmworkers and Laborers, Crop, Nursery, and Greenhouse - 3.6%
- Farmworkers, Farm, Ranch, and Aquacultural Animals - 1.4%
- First-Line Supervisors of Farming, Fishing, and Forestry Workers - 0.7%
- First-Line Supervisors of Production and Operating Workers - 10.0%
- Industrial Engineers - 2.9%
- Industrial Production Managers - 7.9%
- Inspectors, Testers, Sorters, Samplers, and Weighers - 5.0%
- Life, Physical, and Social Science Technicians, All Other - 6.4%
- Medical and Clinical Laboratory Technicians - 0.7%
- Medical and Clinical Laboratory Technologists - 2.1%
- Medical Scientists, Except Epidemiologists - 0.7%
- Natural Sciences Managers - 0.7%
- Soil and Plant Scientists - 0.7%
- Veterinary Technologists and Technicians - 1.4%
- Water and Wastewater Treatment Plant and System Operators - 0.7%

## 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:

- 50.0% paid an annual salary
- 96.4% are/were employed full-time
- 3.6% are/were employed part-time
- 26.7% are/were self-employed
- 15.3% hold two or more jobs
- Currently working an average of 47 hours/week

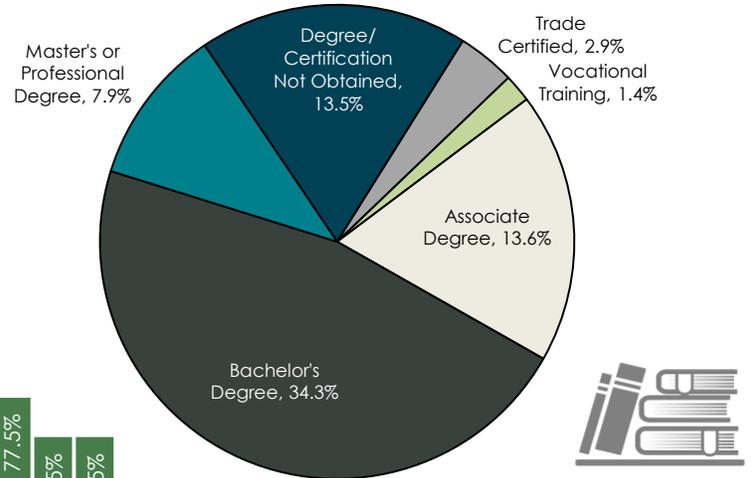
## UNDEREMPLOYMENT (ESTIMATED):

- Low hours - 0.0%
- Mismatch of skills - 4.3%
- Low income - 0.7%
- Total - 4.3%

(Individuals counted only once when estimating Total Underemployment.)

## EDUCATIONAL LEVEL:

(73.6% HAVE AN EDUCATION BEYOND HIGH SCHOOL)



## CURRENT BENEFITS:



## DESIRED BENEFITS:



## TOP JOB SEARCH RESOURCES:

(For those seeking employment opportunities, by use.)

- Internet - 76.5%
  - [www.indeed.com](http://www.indeed.com)
  - [www.linkedin.com](http://www.linkedin.com)
  - [www.monster.com](http://www.monster.com)
- Networking through friends, family or acquaintances - 54.4%
- IowaWORKS Centers - 32.4%
- Private Employment Services - 25.7%



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# BIOTECHNOLOGY

OCCUPATION	OCCUPATIONAL CODE	MEAN WAGE	ENTRY WAGE	EXPERIENCED WAGE	MEDIAN WAGE	MEAN ANNUAL SALARY
Agricultural Inspectors	45-2011	\$23.13	\$17.56	\$25.91	\$23.12	\$48,105
Architectural and Engineering Managers	11-9041	\$61.93	\$43.61	\$71.09	\$60.76	\$128,819
Biochemists and Biophysicists	19-1021	\$28.13	\$20.07	\$32.17	\$27.95	\$58,518
Biological Scientists, All Other	19-1029	\$28.51	\$19.36	\$33.08	\$28.36	\$59,294
Biological Technicians	19-4021	\$21.55	\$16.41	\$24.12	\$21.24	\$44,826
Biomedical Engineers	17-2031	\$34.77	\$27.50	\$38.40	\$35.13	\$72,319
Chemical Engineers	17-2041	\$58.78	\$40.30	\$68.02	\$51.39	\$122,261
Chemical Equipment Operators and Tenders	51-9011	\$28.23	\$18.59	\$33.05	\$28.69	\$58,723
Chemical Technicians	19-4031	\$23.73	\$16.50	\$27.35	\$23.09	\$49,359
Chemists	19-2031	\$41.99	\$28.43	\$48.77	\$43.04	\$87,345
Conservation Scientists	19-1031	\$27.24	\$19.13	\$31.30	\$25.44	\$56,662
Cooling and Freezing Equipment Operators and Tenders	51-9193	\$20.66	\$16.02	\$22.98	\$19.17	\$42,971
Dietetic Technicians	29-2051	\$14.25	\$10.64	\$16.05	\$13.62	\$29,630
Dietitians and Nutritionists	29-1031	\$25.53	\$16.66	\$29.96	\$26.07	\$53,099
Engineers, All Other	17-2199	\$41.00	\$28.18	\$47.41	\$38.15	\$85,286
Environmental Engineering Technicians	17-3025	\$25.02	\$14.48	\$30.29	\$22.90	\$52,037
Environmental Engineers	17-2081	\$42.77	\$32.46	\$47.93	\$40.24	\$88,969
Environmental Scientists and Specialists, Including Health	19-2041	\$34.61	\$23.92	\$39.95	\$34.54	\$71,980
Farmers, Ranchers, and Other Agricultural Managers	11-9013	\$38.64	\$27.48	\$44.21	\$35.88	\$80,362
Farmworkers, Farm, Ranch, and Aquacultural Animals	45-2093	\$16.18	\$11.06	\$18.75	\$15.75	\$33,664
First-Line Supervisors of Farming, Fishing, and Forestry Workers	45-1011	\$24.54	\$16.48	\$28.57	\$22.31	\$51,044
First-Line Supervisors of Production and Operating Workers	51-1011	\$30.06	\$20.21	\$34.99	\$28.53	\$62,534
Food Scientists and Technologists	19-1012	\$36.26	\$20.79	\$43.99	\$30.46	\$75,412
Foresters	19-1032	\$31.66	\$27.10	\$33.94	\$30.44	\$65,852
Hydrologists	19-2043	\$38.17	\$26.17	\$44.17	\$36.93	\$79,401
Industrial Engineers	17-2112	\$41.39	\$30.76	\$46.71	\$38.97	\$86,097
Industrial Production Managers	11-3051	\$50.63	\$33.92	\$58.99	\$46.84	\$105,314
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$22.45	\$15.86	\$25.74	\$21.81	\$46,695
Life, Physical, and Social Science Technicians, All Other	19-4099	\$21.01	\$13.69	\$24.67	\$19.39	\$43,698
Materials Scientists	19-2032	\$38.60	\$22.33	\$46.74	\$37.04	\$80,296
Medical Scientists, Except Epidemiologists	19-1042	\$31.45	\$21.82	\$36.27	\$29.48	\$65,417
Microbiologists	19-1022	\$27.68	\$21.41	\$30.81	\$26.18	\$57,574
Natural Sciences Managers	11-9121	\$54.24	\$37.91	\$62.40	\$50.25	\$112,811
Nuclear Medicine Technologists	29-2033	\$37.50	\$29.31	\$41.60	\$36.51	\$78,004
Plant and System Operators, All Other	51-8099	\$33.16	\$27.58	\$35.96	\$31.60	\$68,983
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012	\$21.15	\$15.90	\$23.77	\$21.24	\$43,988
Soil and Plant Scientists	19-1013	\$35.68	\$25.72	\$40.66	\$33.12	\$74,217
Veterinary Technologists and Technicians	29-2056	\$16.54	\$13.37	\$18.12	\$16.06	\$34,399
Water and Wastewater Treatment Plant and System Operators	51-8031	\$24.07	\$16.81	\$27.70	\$25.19	\$50,065
Zoologists and Wildlife Biologists	19-1023	\$35.56	\$31.95	\$37.36	\$36.90	\$73,964

The 2021 Iowa Wage data for the Iowa City/Cedar Rapids Region 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 2020 OES estimates. Additional occupational wage and employment data can be found at [www.iowalmi.gov/laborshed](http://www.iowalmi.gov/laborshed).