

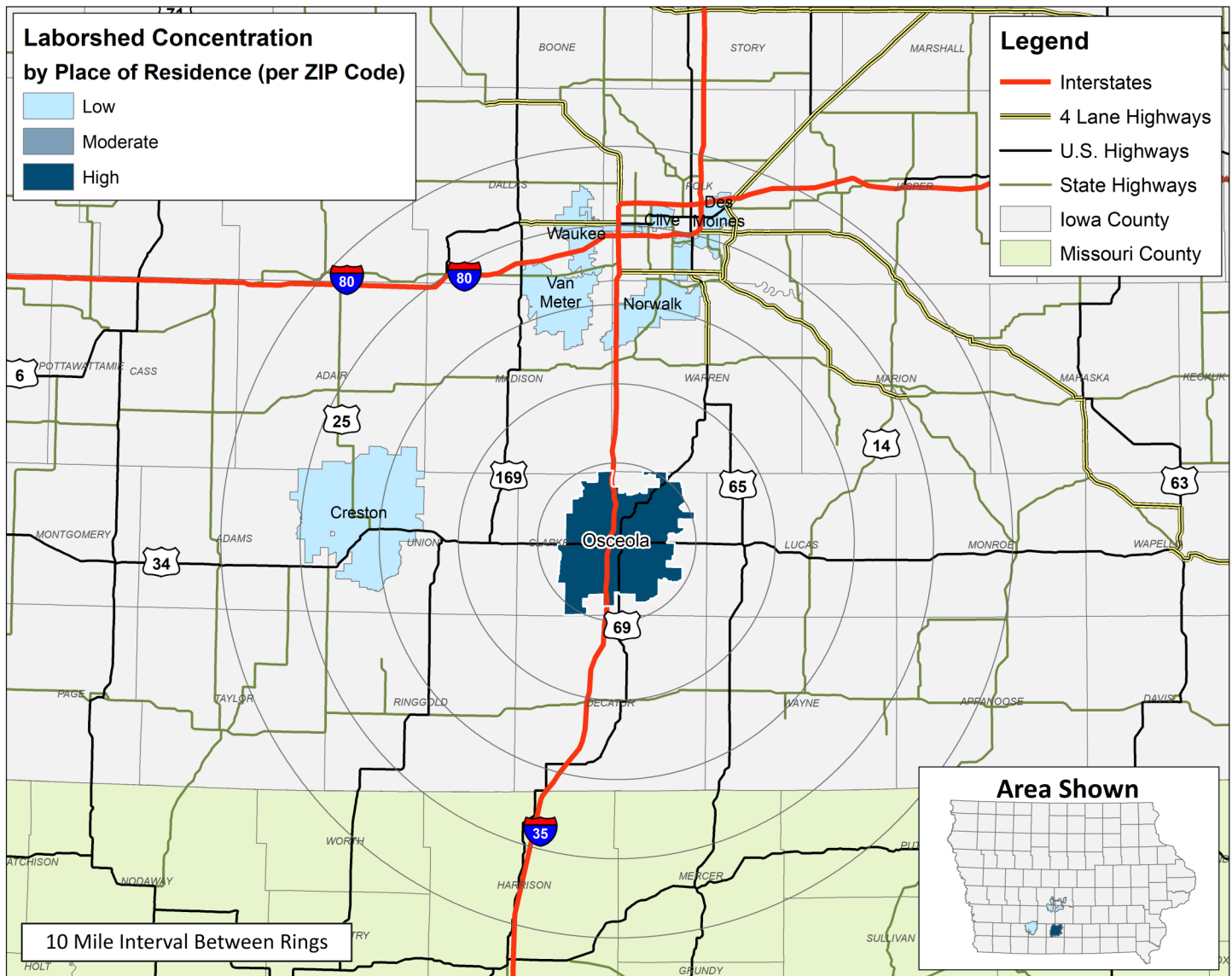
# LABOR CHARACTERISTICS

## BIOTECHNOLOGY



### OSCEOLA, IA 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 25 miles one way for the right employment opportunity.

FOR MORE INFORMATION REGARDING THE OSCEOLA, IA LABORSHED, CONTACT:

Clarke County Development Corporation  
115 E Washington Street, Osceola, IA 50213  
Phone: (641) 342-2944 | E-mail: [info@clarkecountyiowa.com](mailto:info@clarkecountyiowa.com)  
[www.osceolaclarkedev.com](http://www.osceolaclarkedev.com)

# LABOR CHARACTERISTICS



## BIOTECHNOLOGY

### ESTIMATED AVAILABLE LABOR PER OCCUPATIONAL CATEGORY:

- Chemists - 740
- Engineers, All Other - 1,482
- Farmers, Ranchers, and Other Agricultural Managers - 5,929
- Farmworkers and Laborers, Crop, Nursery, and Greenhouse - 744
- First-Line Supervisors of Farming, Fishing, and Forestry Workers - 742
- First-Line Supervisors of Production and Operating Workers - 745
- Industrial Engineers - 738
- Industrial Production Managers - 2,965
- Life, Physical, and Social Science Technicians, All Other - 741
- Medical and Clinical Laboratory Technicians - 741
- Medical Scientists, Except Epidemiologists - 739

AN ESTIMATED TOTAL OF **16,306** PEOPLE IN THE LABORSHED AREA

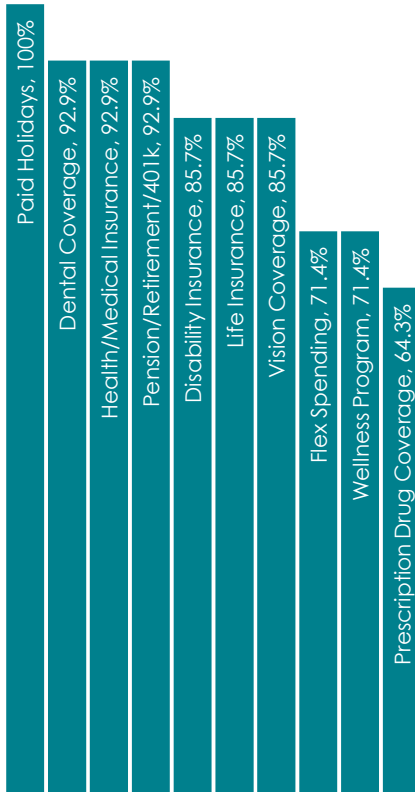
### UNDEREMPLOYMENT (ESTIMATED):

- Low hours - 0.0%
- Low income - 4.5% (122)
- Mismatch of skills - 4.5% (122)
- Total - 9.1% (246)

(Individuals counted only once when estimating Total Underemployment.)



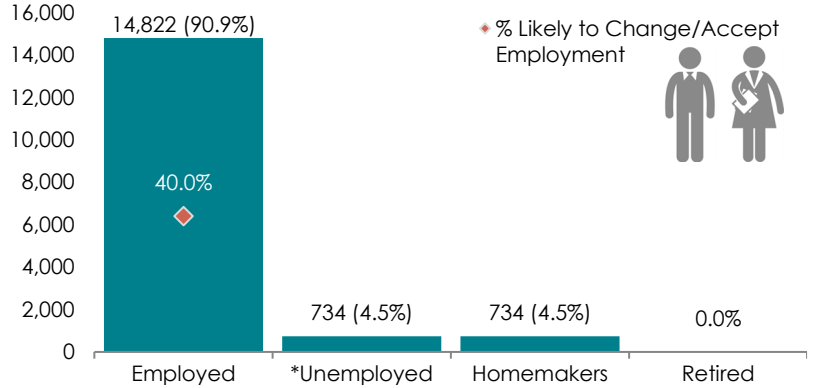
### CURRENT BENEFITS:



### DESIRED BENEFITS:



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



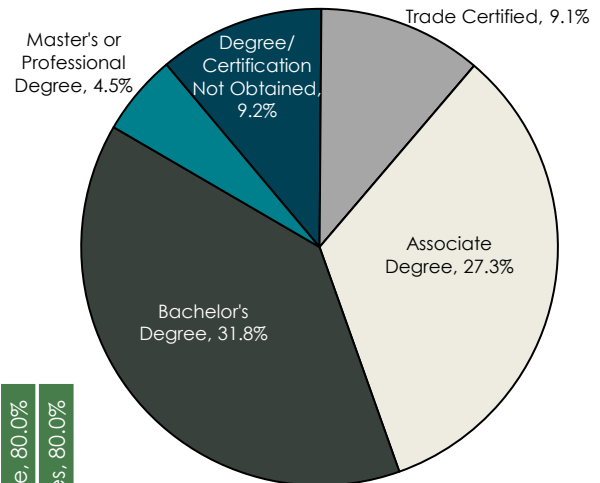
\*Employment status is self-identified by the survey respondent. The unemployment percentage does not reflect the unemployment rate published by the U.S. Bureau of Labor Statistics, which applies a stricter definition.

### EMPLOYMENT STATS:

- 40.9% paid an hourly wage
- 100% are/were employed full-time
- 0.0% are/were employed part-time
- 40.0% are/were self-employed
- 5.0% hold two or more jobs
- Currently working an average of 52 hours/week

### EDUCATIONAL LEVEL:

(81.9% HAVE AN EDUCATION BEYOND HIGH SCHOOL)



### TOP JOB SEARCH RESOURCES:

(For those seeking employment opportunities, by use.)

- Internet - 80.0%
  - [www.indeed.com](http://www.indeed.com)
  - [www.linkedin.com](http://www.linkedin.com)
- Networking through friends, family or acquaintances - 55.0%
- Private Employment Services - 25.0%
- Newspapers - 15.0%



# LABOR CHARACTERISTICS



## BIOTECHNOLOGY

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	\$27.66	\$20.33	\$31.33	\$23.58	\$57,538
Animal Scientists	19-1011	\$37.17	\$29.05	\$41.23	\$37.77	\$77,319
Architectural and Engineering Managers	11-9041	\$64.93	\$47.60	\$73.60	\$61.74	\$135,063
Biochemists and Biophysicists	19-1021	\$58.64	\$38.86	\$68.53	\$67.83	\$121,970
Biological Scientists, All Other	19-1029	\$40.83	\$30.98	\$45.76	\$37.81	\$84,932
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	\$50.61	\$36.48	\$57.67	\$49.23	\$105,261
Chemical Equipment Operators and Tenders	51-9011	\$22.11	\$16.30	\$25.02	\$22.55	\$45,993
Chemical Technicians	19-4031	\$22.96	\$16.94	\$25.98	\$23.14	\$47,765
Chemists	19-2031	\$35.00	\$24.50	\$40.25	\$31.13	\$72,806
Conservation Scientists	19-1031	\$30.30	\$21.53	\$34.69	\$29.77	\$63,028
Dietitians and Nutritionists	29-1031	\$29.12	\$21.69	\$32.83	\$29.26	\$60,566
Engineering Technicians, Except Drafters, All Other	17-3029	\$28.60	\$20.82	\$32.49	\$29.93	\$59,485
Engineers, All Other	17-2199	\$42.36	\$30.84	\$48.12	\$46.25	\$88,109
Environmental Engineering Technicians	17-3025	\$24.77	\$19.69	\$27.31	\$23.02	\$51,519
Environmental Scientists and Specialists, Including Health	19-2041	\$36.32	\$26.73	\$41.11	\$39.47	\$75,541
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	45-2092	\$14.76	\$11.35	\$16.46	\$14.29	\$30,698
Farmworkers, Farm, Ranch, and Aquacultural Animals	45-2093	\$14.78	\$12.07	\$16.13	\$14.20	\$30,733
First-Line Supervisors of Farming, Fishing, and Forestry Workers	45-1011	\$26.09	\$17.35	\$30.46	\$23.26	\$54,275
First-Line Supervisors of Production and Operating Workers	51-1011	\$29.64	\$20.28	\$34.32	\$29.33	\$61,653
Food Scientists and Technologists	19-1012	\$41.78	\$26.91	\$49.22	\$37.98	\$86,904
Foresters	19-1032	\$36.39	\$31.23	\$38.97	\$36.81	\$75,689
Industrial Engineers	17-2112	\$41.97	\$31.64	\$47.14	\$38.68	\$87,307
Industrial Production Managers	11-3051	\$48.72	\$33.67	\$56.25	\$47.22	\$101,344
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	\$20.63	\$15.08	\$23.40	\$18.71	\$42,906
Life, Physical, and Social Science Technicians, All Other	19-4099	\$19.20	\$14.35	\$21.63	\$18.18	\$39,942
Medical Scientists, Except Epidemiologists	19-1042	\$52.90	\$28.95	\$64.87	\$48.31	\$110,031
Natural Sciences Managers	11-9121	\$52.72	\$43.98	\$57.09	\$47.83	\$109,656
Nuclear Medicine Technologists	29-2033	\$36.61	\$29.82	\$40.01	\$38.59	\$76,156
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012	\$22.61	\$17.79	\$25.01	\$24.24	\$47,020
Soil and Plant Scientists	19-1013	\$42.77	\$23.83	\$52.25	\$38.20	\$88,969
Veterinary Technologists and Technicians	29-2056	\$17.35	\$13.82	\$19.11	\$17.59	\$36,078
Water and Wastewater Treatment Plant and System Operators	51-8031	\$27.66	\$19.49	\$31.74	\$29.20	\$57,530
Zoologists and Wildlife Biologists	19-1023	\$28.12	\$21.80	\$31.28	\$29.14	\$58,488

The 2023 Iowa Wage data for the Osceola, IA 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](http://www.iowalmi.gov/laborshed).

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