

2008-2018 REGION 6 OCCUPATIONAL PROJECTIONS, LISTED BY MAJOR OCCUPATIONAL GROUPS WITH WAGES AND TOP SKILLS

Standard Occupational Classification (SOC)	Occupational Title	2008 Estimated Employment	2008 Projected Employment	2008-18 Employment Change	Annual Growth Rate (%)	Annual New Jobs	Annual Replacements	Total Annual Openings	2011 Mean Hourly Wage	2011 Mean Annual Salary	2011 Entry Wage	2011 Entry Annual Salary	2011 Median Wage	2011 Median Annual Salary	2011 Experienced Wage	2011 Experienced Annual Salary	Education/Training Level**	Top Skills***
<b>00-0000</b>	<b>Total, All Occupations</b>	<b>50,555</b>	<b>53,935</b>	<b>3,385</b>	<b>0.7</b>	<b>390</b>	<b>1,100</b>	<b>1,490</b>										
<b>11-0000</b>	<b>Management Occupations</b>	<b>6,040</b>	<b>6,035</b>	<b>-5</b>	<b>0.0</b>	<b>10</b>	<b>75</b>	<b>85</b>										
11-9012	Farmers and Ranchers	3,920	3,805	-115	-0.3	0	25	25	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		9 T4, T5, SY1, B3, T1, B6, T8, T11
11-9199	Managers, All Other	305	325	20	0.7	*	*	10	\$29.65	\$61,671	\$16.12	\$33,544	\$24.51	\$50,962	\$36.41	\$75,735		8
<b>13-0000</b>	<b>Business and Financial Operations Occupations</b>	<b>1,390</b>	<b>1,530</b>	<b>140</b>	<b>1.0</b>	<b>15</b>	<b>30</b>	<b>45</b>										
13-1199	Business Operations Specialists, All Other	265	280	20	0.8	*	*	10	21.14	43,977	12.77	26,561	20.09	41,781	25.33	52,684		5
<b>15-0000</b>	<b>Computer and Mathematical Occupations</b>	<b>505</b>	<b>545</b>	<b>40</b>	<b>0.8</b>	<b>5</b>	<b>10</b>	<b>15</b>										
<b>17-0000</b>	<b>Architecture and Engineering Occupations</b>	<b>365</b>	<b>400</b>	<b>40</b>	<b>1.1</b>	<b>5</b>	<b>10</b>	<b>10</b>										
<b>19-0000</b>	<b>Life, Physical, and Social Science Occupations</b>	<b>390</b>	<b>445</b>	<b>55</b>	<b>1.4</b>	<b>5</b>	<b>10</b>	<b>15</b>										
<b>25-0000</b>	<b>Education, Training, and Library Occupations</b>	<b>2,470</b>	<b>2,765</b>	<b>295</b>	<b>1.2</b>	<b>30</b>	<b>55</b>	<b>85</b>										
25-2021	Elementary School Teachers, Except Special Education	275	310	35	1.3	5	5	10	N.A.	51,326	N.A.	38,606	N.A.	52,253	N.A.	57,687		5 SO2, B9, B4, B2, B1, B6, SO6
25-2022	Middle School Teachers, Except Special and Vocational Education	305	345	40	1.3	5	5	10	N.A.	39,960	N.A.	26,992	N.A.	38,391	N.A.	46,444		5 SO2, B2, B7, B4, SO6, B10
<b>27-0000</b>	<b>Arts, Design, Entertainment, Sports, and Media Occupations</b>	<b>505</b>	<b>565</b>	<b>60</b>	<b>1.2</b>	<b>5</b>	<b>15</b>	<b>20</b>										
<b>29-0000</b>	<b>Healthcare Practitioners and Technical Occupations</b>	<b>2,010</b>	<b>2,390</b>	<b>380</b>	<b>1.9</b>	<b>40</b>	<b>45</b>	<b>80</b>										
29-1111	Registered Nurses	755	905	150	2.0	15	15	30	23.54	48,962	19.07	39,674	22.58	46,964	25.77	53,606		6 SO6, B2, SO1, B9, B3, B7, SO5
29-2061	Licensed Practical and Licensed Vocational Nurses	290	335	45	1.6	5	10	15	18.47	38,411	15.46	32,146	17.72	36,858	19.98	41,543		7 B2, B9, B3, B7, SO1, SO5
<b>31-0000</b>	<b>Healthcare Support Occupations</b>	<b>1,445</b>	<b>1,850</b>	<b>405</b>	<b>2.8</b>	<b>40</b>	<b>15</b>	<b>55</b>										
31-1011	Home Health Aides	370	535	165	4.5	15	5	20	9.97	20,733	8.07	16,778	9.90	20,585	10.91	22,710		11 B2, SO5, B3, SO6, B6
31-1012	Nursing Aides, Orderlies, and Attendants	680	845	165	2.4	15	5	25	10.91	22,701	9.81	20,399	10.76	22,382	11.47	23,851		7 SO6, SO5, B2, B6, SO1
<b>33-0000</b>	<b>Protective Service Occupations</b>	<b>695</b>	<b>770</b>	<b>75</b>	<b>1.1</b>	<b>5</b>	<b>20</b>	<b>25</b>										
<b>35-0000</b>	<b>Food Preparation and Serving Related Occupations</b>	<b>3,725</b>	<b>3,925</b>	<b>200</b>	<b>0.5</b>	<b>20</b>	<b>125</b>	<b>145</b>										
35-2012	Cooks, Institution and Cafeteria	250	270	20	0.8	*	*	10	11.10	23,080	8.56	17,811	10.78	22,430	12.36	25,715		10 R4, B2, B3, B6, B7, SO5
35-2021	Food Preparation Workers	410	425	15	0.4	*	*	15	12.00	24,951	9.28	19,308	11.93	24,804	13.36	27,773		11 B2, B6, B9, SO1, R4
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	940	1,025	85	0.9	10	20	30	8.49	17,663	8.13	16,894	8.38	17,429	8.67	18,047		11 B2, SO5, B9, SO1, B6, SO6
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	90	95	5	0.6	*	*	10	9.39	19,536	7.95	16,537	8.95	18,622	10.11	21,035		11 B2, SO5, SO6, B9, B3, B7
35-3031	Waiters and Waitresses	610	620	10	0.2	*	*	35	10.69	22,228	8.10	16,846	10.48	21,800	11.98	24,919		11 B2, SO5, SO6, B9, SO1
<b>37-0000</b>	<b>Building and Grounds Cleaning and Maintenance Occupations</b>	<b>1,600</b>	<b>1,675</b>	<b>75</b>	<b>0.5</b>	<b>5</b>	<b>25</b>	<b>35</b>										
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	720	740	20	0.3	*	*	15	11.71	24,371	8.93	18,575	10.81	22,492	13.11	27,269		11 B3, B2, SO1, SO6, B9, R4
37-2012	Maids and Housekeeping Cleaners	495	500	10	0.2	*	*	10	9.27	19,289	8.31	17,278	9.08	18,886	9.76	20,296		11 B2, SO5, SO6, R4, B3, B6, B9
<b>39-0000</b>	<b>Personal Care and Service Occupations</b>	<b>1,180</b>	<b>1,320</b>	<b>135</b>	<b>1.1</b>	<b>15</b>	<b>30</b>	<b>45</b>										
<b>41-0000</b>	<b>Sales and Related Occupations</b>	<b>5,025</b>	<b>5,260</b>	<b>235</b>	<b>0.5</b>	<b>25</b>	<b>150</b>	<b>175</b>										
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	685	720	40	0.6	5	15	20	19.44	40,438	11.21	23,318	14.85	30,894	23.56	48,997		8 B2, SO1, B3, B6, B6, SO5, B9
41-2011	Cashiers	1,365	1,395	30	0.2	5	60	65	8.95	18,614	8.28	17,212	8.73	18,157	9.28	19,316		11 B2, SO5, B9, B5, SO6
41-2031	Retail Salespersons	1,095	1,160	65	0.6	5	30	40	10.63	22,117	7.89	16,417	9.20	19,147	12.01	24,965		11 B2, SO4, B9, SO6, SO3, SO6
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	565	580	20	0.4	*	*	15	27.57	57,345	15.93	33,132	23.73	49,353	33.39	69,452		8 B9, B2, SO4, SO6, B3, SO3
<b>43-0000</b>	<b>Office and Administrative Support Occupations</b>	<b>6,735</b>	<b>7,105</b>	<b>370</b>	<b>0.5</b>	<b>50</b>	<b>140</b>	<b>190</b>										
43-3031	Bookkeeping, Accounting, and Auditing Clerks	620	685	65	1.0	5	10	15	14.01	29,130	9.23	19,193	13.48	28,041	16.39	34,098		10 B2, B7, B9, B3, B5, B6, R4, B10
43-3071	Tellers	350	375	25	0.7	5	15	15	11.71	24,365	9.56	19,892	11.10	23,100	12.79	26,601		11 B2, B9, B3, B5, B7, SO5
43-4051	Customer Service Representatives	365	440	75	2.1	10	10	20	13.93	28,970	8.59	17,880	14.13	29,383	16.60	34,515		10 B2, B9, SO5, SO4, B7
43-4171	Receptionists and Information Clerks	205	225	25	1.2	*	*	10	11.32	23,529	9.63	20,034	11.01	22,912	12.15	25,276		11 B9, B2, SO5, B7, SO1, SO6
43-5081	Stock Clerks and Order Fillers	625	635	5	0.1	*	*	15	11.43	23,778	8.38	17,424	10.21	21,234	12.96	26,955		11 B9, B2, SO5, SO6, SO1, R4
43-6011	Executive Secretaries and Administrative Assistants	380	425	45	1.2	5	5	10	17.96	37,372	13.47	28,016	17.67	36,755	20.22	42,050		8 B2, B7, B9, SO5, B10
43-6014	Secretaries, Except Legal, Medical, and Executive	490	510	20	0.4	*	*	10	12.43	25,850	9.70	20,171	12.30	25,575	13.79	28,690		10 B9, B2, R4, SO5, B10
43-9061	Office Clerks, General	1,330	1,455	125	0.9	15	20	30	12.75	26,529	9.40	19,557	12.32	25,621	14.43	30,016		11 B2, B7, B9, SO6, R4, B10
<b>45-0000</b>	<b>Farming, Fishing, and Forestry Occupations</b>	<b>780</b>	<b>760</b>	<b>-20</b>	<b>-0.3</b>	<b>*</b>	<b>*</b>	<b>20</b>										
<b>47-0000</b>	<b>Construction and Extraction Occupations</b>	<b>2,530</b>	<b>2,775</b>	<b>245</b>	<b>1.0</b>	<b>25</b>	<b>45</b>	<b>70</b>										
47-2031	Carpenters	415	460	40	1.0	5	5	10	17.04	35,438	13.90	28,917	16.89	35,125	18.61	38,699		9 B3, T2, T5, B2, SO1, SY1, B5, B6, T8, R4
47-2061	Construction Laborers	420	490	70	1.7	5	5	10	15.83	32,918	12.09	25,143	15.81	32,890	17.70	36,807		10 B9, SO1, B2, B3, T4, T5, SO6
47-2111	Electricians	390	450	55	1.4	5	10	15	20.91	43,487	13.58	28,244	20.40	42,449	24.57	51,108		9 T11, T9, B2, B3, T5, T8
<b>49-0000</b>	<b>Installation, Maintenance, and Repair Occupations</b>	<b>1,915</b>	<b>2,070</b>	<b>155</b>	<b>0.8</b>	<b>15</b>	<b>35</b>	<b>55</b>										
49-9042	Maintenance and Repair Workers, General	450	490	45	1.0	5	5	10	16.53	34,375	10.57	21,980	16.10	33,490	19.51	40,572		10 T1, T9, B3, T2, T11
<b>51-0000</b>	<b>Production Occupations</b>	<b>6,515</b>	<b>6,730</b>	<b>215</b>	<b>0.3</b>	<b>35</b>	<b>145</b>	<b>180</b>										
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	495	505	10	0.2	*	*	10	24.69	51,352	16.02	33,321	23.68	49,248	29.02	60,367		8 B3, R4, B2, B9, SO1, R3, B9
51-2092	Team Assemblers	710	835	125	1.8	15	15	30	14.79	30,753	10.75	22,378	15.66	32,579	16.80	34,940		10 SO1, B2, B3, B9, B6, B7

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51-3022	Meat, Poultry, and Fish Cutters and Trimmers	295	305	10	0.3	*	*	10	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	11	B2, SO1, B3, B6, B9
51-4121	Welders, Cutters, Solderers, and Brazers	445	475	35	0.8	5	15	15	15.40	32,025	12.82	26,665	15.18	31,582	16.68	34,704	7	B3, B2, B6, SY1, T4, T5
<b>53-0000</b>	<b>Transportation and Material Moving Occupations</b>	<b>3,125</b>	<b>3,305</b>	<b>180</b>	<b>0.6</b>	<b>20</b>	<b>70</b>	<b>95</b>										
53-3032	Truck Drivers, Heavy and Tractor-Trailer	935	1,070	135	1.4	15	15	30	15.71	32,671	12.31	25,602	14.52	30,201	17.41	36,206	11	T4, T5, B6, B2, B3, T8
53-7051	Industrial Truck and Tractor Operators	315	335	20	0.6	*	*	10	14.73	30,648	10.77	22,409	14.32	29,788	16.72	34,768	11	T4, T5, SO1, T1, B2, B3, B6
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	415	405	-15	-0.4	0	15	15	12.58	26,166	9.13	18,990	12.24	25,461	14.30	29,754	11	B2, B3, T5, SO1, B6, B7, B9

**Legend:**  
**Entry Wage** = Average of the lowest third of reported wages for the occupation; **Experienced Wage** = Average of the upper two-thirds of reported wages for the occupation; **Mean Wage** = Average wage computed by dividing the estimated total wage for an occupation by its weighted employment; **Median Wage** = The point at which 50% of the employment was below this wage and 50% was above; N.A. = Not Available; Compensation data based on 2011 Iowa Wage Survey unless otherwise noted; Wages for *Middle School Teachers, Except Special and Vocational Education* based on 2010 OES data; Missing compensation data may be derived from calculation or proration of reported wage/salary data if available.

**\*Employment Data Suppression** (Occupational employment data may not add up or equal occupational group totals due to rounding and/or suppression of occupations with less than ten total annual openings.)

**\*\*Education/Training Level** provides categorically the most significant education or training pathway to employment for each occupation according to the U.S. Department of Labor's Bureau of Labor Statistics (BLS). There may be alternative pathways into an occupation, however, as well as additional educational, training, or licensing requirements. Iowa Workforce Development (IWD) will use Iowa requirements when available. The levels are as follows: 1 = First Professional degree; 2 = Doctoral degree; 3 = Master's degree; 4 = Bachelor's or higher degree, plus work experience; 5 = Bachelor's degree; 6 = Associate degree; 7 = Postsecondary vocational training; 8 = Work experience in a related occupation; 9 = Long-term on-the-job training; 10 = Moderate-term on-the-job training; 11 = Short-term on-the-job training.

**\*\*\*Top Skills** refers to those skills identified through questionnaire responses by sampled workers and occupational experts by the U.S. Department of Labor's Occupational Information Network (O\*NET) as being the top five (or more if tied) most important for a particular occupation. These include:  
**Basic Skills:** B1 = Active Learning; B2 = Active Listening; B3 = Critical Thinking; B4 = Learning Strategies; B5 = Mathematics; B6 = Monitoring; B7 = Reading Comprehension; B8 = Science; B9 = Speaking; B10 = Writing;  
**Complex Problem Solving Skills:** C1 = Complex Problem Solving; **Resource Management Skills:** R1 = Management of Financial Resources; R2 = Management of Material Resources; R3 = Management of Personnel Resources; R4 = Time Management;  
**Social Skills:** SO1 = Coordination; SO2 = Instructing; SO3 = Negotiation; SO4 = Persuasion; SO5 = Service Orientation; SO6 = Social Perceptiveness; **Systems Skills:** SY1 = Judgment and Decision Making; SY2 = Systems Analysis; SY3 = Systems Evaluation; and **Technical Skills:** T1 = Equipment Maintenance; T2 = Equipment Selection; T3 = Installation; T4 = Operation and Control; T5 = Operation Monitoring; T6 = Operations Analysis; T7 = Programming; T8 = Quality Control Analysis; T9 = Repairing; T10 = Technology Design; T11 = Troubleshooting.

**Sources:**  
**Education/Training Level:** Bureau of Labor Statistics, U.S. Department of Labor; **Employment:** 2008-2018 Occupational Projections (based on 2008 annual employment data), Labor Market and Workforce Information Division, Iowa Workforce Development; **Skills:** Occupational Information Network (O\*NET), Employment and Training Administration, U.S. Department of Labor; **Wages:** 2011 Iowa Wage Survey estimates, Labor Market and Workforce Information Division, Iowa Workforce Development. Estimates developed from the May 2010 Occupational Employment Statistics (OES) Wage Survey updated to the second quarter of 2011 using the Employment Cost Index.

This publication was produced by the Labor Market and Workforce Information Division of Iowa Workforce Development. Inquiries may be directed to Brent Paulson at 515.281.3439 or Brent.Paulson@iwd.iowa.gov. Visit <http://iwin.iowaworkforce.org/> to obtain the latest workforce data and trends including this document under the **Publications** tab. Published 12/2011.