

**2008-2018 REGION 7 OCCUPATIONAL PROJECTIONS, LISTED BY MAJOR OCCUPATIONAL GROUPS WITH WAGES AND TOP SKILLS**

Standard Occupational Classification (SOC)	Occupational Title	2008 Estimated Employment	2018 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 Salary	2011 Experienced Wage	2011 Experienced Annual Salary	Education/Training Level**	Top Skills***
<b>00-0000</b>	<b>Total, All Occupations</b>	<b>115,040</b>	<b>125,540</b>	<b>10,500</b>	<b>0.9</b>	<b>1,130</b>	<b>2,570</b>	<b>3,700</b>										
<b>11-0000</b>	<b>Management Occupation:</b>	<b>9,640</b>	<b>9,645</b>	<b>185</b>	<b>0.2</b>	<b>35</b>	<b>140</b>	<b>175</b>										
11-1021	General and Operations Managers	590	585	-5	-0.1	0	15	15	\$50.56	\$105,163	\$25.67	\$53,394	\$39.61	\$82,387	\$63.00	\$131,047	4	B2, B7, B9, B3, B6
11-1031	Legislators	340	315	-25	-0.7	0	10	10	N.A.	20,334	N.A.	17,523	N.A.	18,322	N.A.	21,740	4	N.A.
11-9012	Farmers and Ranchers	4,715	4,600	-120	-0.3	0	30	30	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
11-9032	Education Administrators, Elementary and Secondary School	265	285	20	0.8	*	*	10	N.A.	85,264	N.A.	66,928	N.A.	83,778	N.A.	94,432	4	B2, B7, B9, B3, B10
11-9111	Medical and Health Services Managers	320	375	55	1.7	5	5	10	33.00	68,646	22.27	46,315	32.42	67,425	38.37	79,812	4	B7, B9, B2, B3, SY1
11-9199	Managers, All Other	500	540	40	0.8	5	15	15	42.59	88,594	23.22	48,281	42.79	89,019	52.28	108,751	8	
<b>13-0000</b>	<b>Business and Financial Operations Occupation</b>	<b>3,175</b>	<b>3,710</b>	<b>535</b>	<b>1.7</b>	<b>55</b>	<b>65</b>	<b>115</b>										
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	195	225	35	1.8	5	5	10	22.77	47,362	15.83	32,928	22.59	46,973	26.24	54,579	5	
13-1199	Business Operations Specialists, All Other	550	615	65	1.2	5	10	20	24.37	50,690	15.52	32,295	22.31	46,401	28.79	59,886	5	
13-2011	Accountants and Auditors	575	700	125	2.2	15	10	25	28.96	60,236	18.88	39,268	25.50	53,045	33.99	70,720	5	B2, B5, B7, B10, B9
13-2072	Loan Officers	340	385	45	1.3	5	5	10	25.77	53,601	17.61	36,627	22.00	45,742	29.85	62,088	10	B9, B2, SY1, B7, B3
<b>15-0000</b>	<b>Computer and Mathematical Occupation</b>	<b>1,085</b>	<b>1,290</b>	<b>205</b>	<b>1.9</b>	<b>20</b>	<b>25</b>	<b>45</b>										
15-1041	Computer Support Specialists	305	350	50	1.6	5	10	15	20.50	\$42,637	14.09	\$29,312	19.72	\$41,023	23.70	\$49,300	6	B2, B9, B7, B3, B10
<b>17-0000</b>	<b>Architecture and Engineering Occupation</b>	<b>1,225</b>	<b>1,370</b>	<b>145</b>	<b>1.2</b>	<b>15</b>	<b>25</b>	<b>40</b>										
17-2112	Industrial Engineers	240	290	45	1.9	5	5	10	28.81	59,919	34.58	71,923	34.19	71,130	37.46	77,925	5	B7, B2, C1, B3, B10
<b>19-0000</b>	<b>Life, Physical, and Social Science Occupation</b>	<b>650</b>	<b>775</b>	<b>120</b>	<b>1.8</b>	<b>10</b>	<b>20</b>	<b>30</b>										
<b>21-0000</b>	<b>Community and Social Services Occupation</b>	<b>1,785</b>	<b>2,040</b>	<b>255</b>	<b>1.4</b>	<b>25</b>	<b>40</b>	<b>65</b>										
21-1021	Child, Family, and School Social Workers	465	520	55	1.2	5	10	15	18.08	37,608	11.35	23,601	17.48	36,357	21.45	44,612	5	B2, B9, B7, SO6, B3, B6, SO5
21-1093	Social and Human Service Assistants	425	490	65	1.5	5	10	15	13.10	27,234	7.92	16,475	11.58	24,095	15.68	32,613	10	SO5, SO6, B2, B9, B7, B10
<b>23-0000</b>	<b>Legal Occupations</b>	<b>455</b>	<b>510</b>	<b>60</b>	<b>1.3</b>	<b>5</b>	<b>5</b>	<b>15</b>										
23-1011	Lawyers	240	270	30	1.3	5	5	10	40.00	83,209	22.14	46,058	35.53	73,889	48.94	101,785	1	B2, B9, B3, B7, C1, SY1, B10
<b>25-0000</b>	<b>Education, Training, and Library Occupation</b>	<b>6,730</b>	<b>7,645</b>	<b>915</b>	<b>1.4</b>	<b>90</b>	<b>150</b>	<b>240</b>										
25-1199	Postsecondary Teachers, All Other	335	385	50	1.5	5	5	10	N.A.	36,995	N.A.	17,450	N.A.	34,602	N.A.	46,768	2	
25-2021	Elementary School Teachers, Except Special Education	925	1,070	145	1.6	15	20	35	N.A.	48,078	N.A.	36,018	N.A.	47,321	N.A.	54,106	5	SO2, B9, B4, B2, B1, B6, SO6
25-2022	Middle School Teachers, Except Special and Vocational Educatio	560	645	85	1.5	10	15	20	N.A.	43,628	N.A.	31,953	N.A.	43,446	N.A.	49,466	5	SO2, B2, B7, B4, SO6, B10
25-3099	Teachers and Instructors, All Other	305	345	40	1.3	5	5	10	N.A.	34,535	N.A.	23,085	N.A.	26,049	N.A.	40,260	5	
25-4031	Library Technicians	155	160	5	0.3	*	*	10	11.61	24,147	8.36	17,382	10.27	21,361	13.24	27,531	7	B6, B9, B2, SO5, B3, SO6
25-9041	Teacher Assistants	910	995	90	1.0	10	20	30	N.A.	18,916	N.A.	16,460	N.A.	17,878	N.A.	20,144	11	B2, B9, SO1, B6, SO5, SO6
<b>27-0000</b>	<b>Arts, Design, Entertainment, Sports, and Media Occupation</b>	<b>1,770</b>	<b>1,995</b>	<b>225</b>	<b>1.3</b>	<b>25</b>	<b>45</b>	<b>70</b>										
27-1024	Graphic Designers	205	240	35	1.7	5	5	10	30.65	63,752	17.66	36,724	21.53	44,800	37.14	77,265	5	B2, T6, B9, B10, B3, B7
27-2022	Coaches and Scouts	275	345	70	2.5	5	5	10	N.A.	25,729	N.A.	16,332	N.A.	17,223	N.A.	30,428	9	SO2, B9, R3, SY1, B6
<b>29-0000</b>	<b>Healthcare Practitioners and Technical Occupation</b>	<b>5,340</b>	<b>6,505</b>	<b>1,165</b>	<b>2.2</b>	<b>115</b>	<b>115</b>	<b>230</b>										
29-1111	Registered Nurses	1,770	2,225	450	2.5	45	30	75	24.32	50,583	17.76	36,930	23.49	48,850	27.60	57,411	6	SO6, B2, SO1, B9, B3, B7, SO5
29-2052	Pharmacy Technicians	220	275	55	2.5	5	5	10	14.18	29,489	10.56	21,976	13.73	28,558	15.99	33,246	10	B2, B7, B9, B3, SO5, SO6
29-2061	Licensed Practical and Licensed Vocational Nurses	750	915	165	2.2	15	25	40	17.74	36,886	15.10	31,412	17.50	36,416	19.05	39,623	7	B2, B9, B3, B7, SO1, SO5
<b>31-0000</b>	<b>Healthcare Support Occupation</b>	<b>3,540</b>	<b>4,510</b>	<b>970</b>	<b>2.7</b>	<b>95</b>	<b>40</b>	<b>135</b>										
31-1012	Nursing Aides, Orderlies, and Attendants	1,640	1,990	350	2.1	35	15	50	11.50	23,921	9.99	20,775	11.22	23,324	12.26	25,495	7	SO6, SO5, B2, B6, SO1
31-9091	Dental Assistants	205	275	70	3.4	5	5	10	18.53	38,558	14.39	29,923	17.62	36,644	20.61	42,876	10	B9, B2, B7, SO5, B3
31-9092	Medical Assistants	210	280	70	3.3	*	*	10	13.57	28,219	11.11	23,100	13.39	27,844	14.79	30,777	10	B2, B9, SO6, B6, B7
<b>33-0000</b>	<b>Protective Service Occupation:</b>	<b>1,060</b>	<b>1,115</b>	<b>55</b>	<b>0.5</b>	<b>5</b>	<b>35</b>	<b>40</b>										
33-3051	Police and Sheriff's Patrol Officers	355	355	0	0.0	0	10	10	21.94	45,632	16.18	33,663	22.68	47,168	24.82	51,616	9	B2, B3, B6, SO6, B9
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	150	155	5	0.3	*	*	10	8.55	17,794	8.39	17,460	8.62	17,946	8.63	17,961	11	SY1, B3, B6, SO6, B9
<b>35-0000</b>	<b>Food Preparation and Serving Related Occupation</b>	<b>9,855</b>	<b>10,705</b>	<b>850</b>	<b>0.9</b>	<b>85</b>	<b>330</b>	<b>415</b>										
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	620	660	40	0.6	5	5	10	12.94	26,924	8.64	17,987	11.46	23,845	15.09	31,392	8	B9, B2, SO1, SO5, R3, B6
35-2011	Cooks, Fast Food	595	635	40	0.7	5	15	20	7.88	16,390	8.62	17,932	8.33	17,335	8.99	18,702	11	B2, B9, SO1, SO5, B3, SO6
35-2012	Cooks, Institution and Cafeteria	535	575	40	0.7	5	15	20	11.15	23,193	8.36	17,379	10.80	22,463	12.54	26,100	10	R4, B2, B3, B6, B7, SO5
35-2014	Cooks, Restaurant	660	700	40	0.6	5	15	20	8.91	18,526	8.32	17,294	8.82	18,333	9.20	19,142	9	SO1, B6, B2, B3, SY1, T8, B9
35-2021	Food Preparation Workers	505	525	20	0.4	*	*	20	9.27	19,285	8.18	17,017	8.85	18,394	9.82	20,420	11	B2, B6, B9, SO1, R4
35-3011	Bartenders	570	620	50	0.9	5	20	25	8.83	18,358	7.93	16,511	8.33	17,315	9.27	19,282	11	B2, SO5, SO6, B9, B3
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	2,945	3,355	405	1.4	40	65	105	8.69	18,088	7.95	16,539	8.40	17,476	9.07	18,862	11	B2, SO5, B9, SO1, B6, SO6
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	335	350	15	0.4	*	*	25	8.77	18,233	8.33	17,333	8.78	18,259	8.98	18,683	11	B2, SO5, SO6, B9, B3, B7
35-3031	Waiters and Waitresses	1,875	1,975	100	0.5	10	105	115	8.44	17,566	7.93	16,494	8.18	17,013	8.70	18,103	11	B2, SO5, SO6, B9, SO1
35-9021	Dishwashers	440	485	45	1.0	5	20	25	8.90	18,514	8.13	16,895	8.71	18,131	9.29	19,324	11	R4, B2, SO1, B6, B3, T4, T5, T8, SO6
<b>37-0000</b>	<b>Building and Grounds Cleaning and Maintenance Occupation</b>	<b>3,620</b>	<b>3,780</b>	<b>160</b>	<b>0.4</b>	<b>15</b>	<b>65</b>	<b>80</b>										
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2,095	2,155	65	0.3	5	40	45	11.69	24,314	8.57	17,829	11.06	22,989	13.24	27,557	11	B3, B2, SO1, SO6, B9, R4
37-2012	Maids and Housekeeping Cleaners	715	715	0	0.0	0	15	15	9.78	20,330	8.36	17,379	9.37	19,498	10.49	21,805	11	B2, SO5, SO6, B9, B3, B7
37-3011	Landscaping and Groundskeeping Workers	570	645	80	1.4	10	5	15	11.28	23,462	8.43	17,544	10.36	21,546	12.71	26,421	11	T4, B2, B3, B9, T5, R4
<b>39-0000</b>	<b>Personal Care and Service Occupation</b>	<b>3,965</b>	<b>4,655</b>	<b>685</b>	<b>1.7</b>	<b>70</b>	<b>95</b>	<b>165</b>										
39-3091	Amusement and Recreation Attendants	110	125	15	1.4	*	*	10	10.06	20,929	8.38							

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39-9011	Child Care Workers	1,535	1,675	140	0.9	15	45	60	8.65	17,990	7.88	16,390	8.08	16,791	9.03	18,790	11	B6, SO5, B9, B3, SO6
39-9021	Personal and Home Care Aides	550	840	290	5.3	30	5	35	9.96	20,726	8.69	18,085	9.70	20,178	10.60	22,048	11	SO5, B2, SO6, B3, B9
39-9032	Recreation Workers	385	430	45	1.2	5	5	10	10.06	20,939	7.83	16,303	8.50	17,691	11.18	23,257	11	B2, SO1, SO5, SO6, B9
<b>41-0000</b>	<b>Sales and Related Occupation:</b>	<b>11,490</b>	<b>12,300</b>	<b>810</b>	<b>0.7</b>	<b>85</b>	<b>340</b>	<b>425</b>										
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,535	1,615	75	0.5	10	35	40	18.75	38,997	12.14	25,240	16.75	34,850	22.05	45,876	8	B2, SO1, B3, B6, B6, SO5, B9
41-2011	Cashiers	2,615	2,725	105	0.4	10	120	130	9.17	19,073	8.20	17,059	8.87	18,439	9.66	20,079	11	B2, SO5, B9, B5, SO6
41-2031	Retail Salespersons	3,650	4,045	395	1.1	40	100	140	11.69	24,316	8.15	16,969	9.58	19,927	13.46	27,989	11	B2, SO4, B9, SO6, SO3, SO6
41-3021	Insurance Sales Agents	240	280	40	1.7	5	5	10	22.37	46,513	10.11	21,024	17.08	35,516	28.49	59,256	7	B2, B7, B9, B10, B3, SO4, R4
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,170	1,255	85	0.7	10	25	35	26.99	56,145	13.31	27,688	24.52	51,001	33.83	70,375	8	B9, B2, SO4, SO6, B3, SO3
<b>43-0000</b>	<b>Office and Administrative Support Occupation</b>	<b>16,375</b>	<b>17,695</b>	<b>1,320</b>	<b>0.8</b>	<b>155</b>	<b>340</b>	<b>495</b>										
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	595	660	70	1.2	5	15	20	21.99	45,742	14.08	29,280	20.82	43,298	25.95	53,972	8	B2, B9, SO1, SO6, B3, R3
43-3021	Billing and Posting Clerks and Machine Operators	275	320	45	1.6	5	5	10	15.05	31,299	12.44	25,863	14.47	30,091	16.35	34,017	11	B2, B7, R4, B3, B9
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,700	1,870	170	1.0	15	20	35	16.01	33,286	10.91	22,686	15.99	33,254	18.56	38,585	10	B2, B7, B9, B3, B5, B6, R4, B10
43-3071	Tellers	695	760	70	1.0	5	30	35	11.13	23,151	9.18	19,086	11.04	22,972	12.11	25,184	11	B2, B9, B3, B5, B7, SO5
43-4051	Customer Service Representatives	1,755	2,100	345	2.0	35	55	90	13.92	28,954	8.95	18,616	13.78	28,664	16.40	34,123	10	B2, B9, SO5, SO4, B7
43-4171	Receptionists and Information Clerks	850	965	115	1.4	10	25	35	11.96	24,882	9.44	19,629	11.55	24,021	13.22	27,508	11	B9, B2, SO5, B7, SO1, SO6
43-5052	Postal Service Mail Carriers	255	250	-5	-0.2	0	10	10	24.35	50,645	19.76	41,099	26.06	54,193	26.64	55,418	11	B2, B3, SO5, SO6, R4
43-5071	Shipping, Receiving, and Traffic Clerks	500	500	0	0.0	0	10	10	14.46	30,075	10.19	21,177	14.01	29,130	16.60	34,525	11	B7, B2, SY1, B6, R4
43-5081	Stock Clerks and Order Fillers	1,255	1,340	85	0.7	10	30	40	10.02	20,841	8.35	17,362	9.27	19,284	10.86	22,581	11	B9, B2, SO5, SO6, SO1, R4
43-6011	Executive Secretaries and Administrative Assistants	705	765	60	0.9	5	10	15	18.61	38,700	13.16	27,379	17.93	37,302	21.33	44,360	8	B2, B7, B9, SO5, B10
43-6013	Medical Secretaries	385	485	100	2.6	10	5	15	13.62	28,336	9.88	20,550	13.44	27,955	15.50	32,230	10	B2, SO5, B9, B7, SO1, B10
43-6014	Secretaries, Except Legal, Medical, and Executive	1,435	1,455	20	0.1	*	*	20	13.56	28,203	9.62	20,010	12.49	25,971	15.53	32,299	10	B9, B2, R4, SO5, B10
43-9061	Office Clerks, General	2,295	2,550	255	1.1	25	30	55	13.30	27,670	9.35	19,441	12.48	25,949	15.28	31,785	11	B2, B7, B9, SO6, R4, B10
<b>45-0000</b>	<b>Farming, Fishing, and Forestry Occupation</b>	<b>745</b>	<b>775</b>	<b>30</b>	<b>0.4</b>	<b>5</b>	<b>20</b>	<b>25</b>										
<b>47-0000</b>	<b>Construction and Extraction Occupation</b>	<b>5,280</b>	<b>5,855</b>	<b>575</b>	<b>1.1</b>	<b>60</b>	<b>90</b>	<b>150</b>										
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	365	410	45	1.2	5	5	10	25.44	52,916	19.50	40,558	23.63	49,138	28.42	59,095	8	B2, SO1, B3, B9, R4
47-2031	Carpenters	980	1,095	115	1.2	10	10	25	16.10	33,499	11.98	24,906	15.72	32,689	18.17	37,795	9	B3, T2, T5, B2, SO1, SY1, B5, B6, T8, R4
47-2061	Construction Laborers	725	870	145	2.0	15	5	20	14.70	30,588	10.87	22,606	14.54	30,241	16.62	34,580	10	B9, SO1, B2, B3, T4, T5, SO6
47-2073	Operating Engineers and Other Construction Equipment Operators	640	700	65	1.0	5	10	15	21.23	44,142	16.02	33,337	21.58	44,895	23.82	49,544	10	T4, T5, B2, B6, B9
47-2111	Electricians	395	420	25	0.6	5	10	15	22.12	45,999	16.55	34,430	21.99	45,732	24.90	51,783	9	T11, T9, B2, B3, T5, T8
47-2152	Plumbers, Pipefitters, and Steamfitters	355	405	50	1.4	5	5	10	19.29	40,128	13.40	27,874	18.80	39,112	22.24	46,254	9	SO1, R4, B3, T5, B2, SY1, B6, B9
<b>49-0000</b>	<b>Installation, Maintenance, and Repair Occupation</b>	<b>4,635</b>	<b>4,970</b>	<b>335</b>	<b>0.7</b>	<b>35</b>	<b>85</b>	<b>125</b>										
49-3023	Automotive Service Technicians and Mechanics	695	725	30	0.4	5	15	15	15.51	32,257	10.16	21,126	13.92	28,946	18.19	37,822	7	T1, T9, T11, T2, T8
49-9042	Maintenance and Repair Workers, General	1,315	1,430	115	0.9	10	20	30	17.55	36,506	12.25	25,484	17.00	35,363	20.20	42,017	10	T1, T9, B3, T2, T11
<b>51-0000</b>	<b>Production Occupation:</b>	<b>15,360</b>	<b>15,855</b>	<b>500</b>	<b>0.3</b>	<b>75</b>	<b>330</b>	<b>405</b>										
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	780	790	10	0.1	*	*	10	29.92	62,244	19.11	39,743	29.84	62,061	35.34	73,495	8	B3, R4, B2, B9, SO1, R3, B9
51-2099	Assemblers and Fabricators, All Other	290	330	40	1.4	5	5	10	14.91	31,018	10.98	22,834	14.34	29,843	16.88	35,110	10	
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	320	375	55	1.7	5	5	10	17.00	35,355	13.67	28,449	16.87	35,093	18.66	38,807	10	B6, T5, B3, T8, T4
51-4041	Machinists	755	765	10	0.1	*	*	10	18.03	37,499	14.11	29,348	17.69	36,786	19.99	41,576	9	T5, T8, T4, T11, B3, B6
51-4121	Welders, Cutters, Solderers, and Brazers	955	990	35	0.4	5	30	30	17.41	36,219	13.94	28,995	17.50	36,383	19.15	39,832	7	B3, B2, B6, SY1, T4, T5
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	470	475	5	0.1	0	10	10	19.40	40,364	12.15	25,279	20.48	42,593	23.03	47,906	10	B3, B2, B9, B7, B6, T5
51-9198	Helpers--Production Workers	540	520	-20	-0.4	0	10	10	13.64	28,375	9.02	18,767	13.66	28,414	15.95	33,178	11	B2, B3, B6, B7, SO6, B9
51-9199	Production Workers, All Other	750	790	35	0.5	5	15	20	12.10	25,172	9.97	20,743	11.91	24,771	13.17	27,385	10	
<b>53-0000</b>	<b>Transportation and Material Moving Occupation</b>	<b>7,435</b>	<b>7,835</b>	<b>400</b>	<b>0.5</b>	<b>45</b>	<b>175</b>	<b>220</b>										
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,955	2,155	200	1.0	20	35	55	16.05	33,395	11.85	24,641	16.03	33,352	18.16	37,773	11	T4, T5, B6, B2, B3, T8
53-3033	Truck Drivers, Light or Delivery Services	600	650	50	0.8	5	10	15	13.66	28,417	8.83	18,367	11.62	24,151	16.08	33,442	11	B2, B9, B3, B6, T4, SO6
53-7051	Industrial Truck and Tractor Operators	1,045	1,145	100	1.0	10	30	40	14.94	31,077	12.18	25,332	14.61	30,377	16.32	33,949	11	T4, T5, SO1, T1, B2, B3, B6
53-7061	Cleaners of Vehicles and Equipment	325	315	-10	-0.3	0	10	10	10.29	21,409	8.38	17,421	9.29	19,328	11.25	23,402	11	T4, T5, T8, B9, R4
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,375	1,400	30	0.2	5	45	45	14.41	29,957	10.07	20,945	14.92	31,044	16.56	34,462	11	B2, B3, T5, SO1, B6, B7, B9
53-7064	Packers and Packagers, Hand	485	475	-10	-0.2	0	10	10	13.31	27,674	10.01	20,816	13.17	27,395	14.96	31,101	11	B9, B2, B3, SY1, B6, T8

**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; Wages for *Industrial Engineers* and *Cooks, Fast Food* based 2010 OES data; Compensation data based on 2011 Iowa Wage Survey unless otherwise noted; 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.