

2006-2016 REGION 5 OCCUPATIONAL PROJECTIONS, LISTED BY MAJOR OCCUPATIONAL GROUPS WITH WAGES AND TOP SKILLS

Standard Occupational Classification (SOC)	Occupational Title	2006 Estimated Employment	2016 Projected Employment	2006-2016 Employment Change	Annual Growth Rate (%)	Annual New Jobs	Replacements	Total Annual Openings	2007 Mean Hourly Wage	2007 Mean Annual Salary	2007 Entry Wage	2007 Entry Annual Salary	2007 Median Wage	2007 Median Salary	2007 Experienced Wage	2007 Experienced Annual Salary	Educational Level**	Top Skills***
00-0000	Total, All Occupations	65,960	70,145	4,185	0.6	525	1,425	1,950										
11-0000	Management Occupations	8,980	8,650	-330	-0.4	15	115	130										
11-1021	General and Operations Managers	460	450	-15	-0.3	0	10	10	\$37.82	\$78,666	\$20.22	\$42,070	\$33.58	\$69,844	\$46.62	\$96,964	2	B1, R3, R4, SY1, B6, B7
11-9012	Farmers and Ranchers	6,330	5,855	-475	-0.8	0	55	55	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	3	T1, T9, R1, B2, T2, SY1, R2
13-0000	Business and Financial Operations Occupations	1,835	2,020	180	1.0	20	35	50										
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	315	330	15	0.5	*	*	10	17.14	35,644	13.50	28,088	15.37	31,976	18.95	39,422	2	
13-2011	Accountants and Auditors	415	475	60	1.4	5	5	15	23.04	47,915	14.70	30,581	22.47	46,739	27.20	56,582	2	B5, B2, B3, B6, SY1
15-0000	Computer and Mathematical Occupations	365	455	90	2.5	10	10	15										
17-0000	Architecture and Engineering Occupations	545	595	50	0.9	5	15	20										
19-0000	Life, Physical, and Social Science Occupations	965	1,080	115	1.2	10	30	40										
21-0000	Community and Social Services Occupations	895	1,085	190	2.1	20	15	35										
21-1021	Child, Family, and School Social Workers	210	240	25	1.2	5	5	10	12.99	27,024	8.77	18,243	9.47	19,691	15.10	31,414	2	B9, B2, B6, SO6, SO5
23-0000	Legal Occupations	315	310	0	0.0	*	*	5										
25-0000	Education, Training, and Library Occupations	3,695	3,950	255	0.7	25	85	110										
25-2021	Elementary School Teachers, Except Special Education	550	590	40	0.7	5	10	15	N.A.	34,177	N.A.	24,970	N.A.	33,815	N.A.	38,782	2	SO2, B7, B9, B4, B2
25-2031	Secondary School Teachers, Except Special and Vocational Education	790	795	0	0.0	0	25	25	N.A.	36,675	N.A.	26,357	N.A.	36,085	N.A.	41,835	2	SO2, B4, B6, B9, R4
25-4031	Library Technicians	175	190	15	0.9	*	*	10	9.12	18,983	7.69	16,002	9.26	19,251	9.84	20,473	3	B2, B7, SO5, SO6, B9
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	595	620	25	0.4	5	15	20										
29-0000	Healthcare Practitioners and Technical Occupations	2,595	3,025	430	1.7	45	50	90										
29-1111	Registered Nurses	1,115	1,340	225	2.0	25	20	40	22.87	47,568	17.43	36,254	22.83	47,495	25.58	53,225	3	B2, B7, B3, SO2, B9
29-2052	Pharmacy Technicians	120	155	35	2.9	5	5	10	11.30	23,503	9.06	18,834	10.96	22,804	12.42	25,839	4	B2, B9, B1, SO5, SO2
29-2061	Licensed Practical and Licensed Vocational Nurses	280	310	30	1.1	5	10	10	15.37	31,965	13.67	28,433	15.13	31,470	16.21	33,730	3	B2, B7, R4, B10, B6
31-0000	Healthcare Support Occupations	1,945	2,265	320	1.6	30	20	50										
31-1011	Home Health Aides	350	465	115	3.3	10	5	15	10.53	21,904	8.76	18,221	10.63	22,115	11.41	23,746	5	B2, B7, B10, SO1, SO5
31-1012	Nursing Aides, Orderlies, and Attendants	1,155	1,285	130	1.1	15	10	25	10.41	21,644	8.73	18,172	10.42	21,663	11.24	23,380	3	B2, SO2, B9, SO1, R4
33-0000	Protective Service Occupations	1,025	1,150	125	1.2	10	35	50										
35-0000	Food Preparation and Serving Related Occupations	4,605	4,905	300	0.7	30	165	195										
35-2012	Cooks, Institution and Cafeteria	525	540	15	0.3	*	*	15	9.58	19,933	7.81	16,245	9.55	19,861	10.47	21,777	4	B7, B2, SO2, SO5, B3, B4
35-2014	Cooks, Restaurant	320	335	15	0.5	*	*	10	8.53	17,751	6.61	13,752	8.11	16,873	9.49	19,751	3	B2, B7, B9, B1, SO2
35-2021	Food Preparation Workers	335	365	30	0.9	5	10	15	8.74	18,194	7.13	14,827	8.53	17,759	9.55	19,877	5	B2, B7, SO2, B9, B4
35-3011	Bartenders	275	285	10	0.4	*	*	10	7.25	15,069	6.44	13,410	7.27	15,121	7.64	15,899	5	B2, B9, SO6, B5, SO5
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	720	805	85	1.2	10	15	20	7.11	14,782	6.33	13,165	6.84	14,225	7.49	15,589	5	B2, B9, SO2, B5, SO5, SO6
35-3031	Waiters and Waitresses	805	845	45	0.6	5	45	50	7.03	14,623	6.38	13,274	6.78	14,105	7.36	15,298	5	B9, B2, SO5, SO6, SO1
35-9021	Dishwashers	240	255	10	0.4	*	*	10	6.89	14,338	6.32	13,141	6.77	14,067	7.18	14,935	5	B4, B9, B2, T1, So2
37-0000	Building and Grounds Cleaning and Maintenance Occupations	1,950	2,205	260	1.3	25	35	60										
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	930	1,045	120	1.3	10	20	30	11.42	23,761	8.24	17,135	11.07	23,027	13.01	27,073	5	B7, B2, B9, SO1, T2
37-2012	Maids and Housekeeping Cleaners	505	580	70	1.4	5	10	15	8.20	17,056	6.44	13,396	7.85	16,323	9.09	18,886	5	B7, R4, B9, B2, SO2
37-3011	Landscaping and Groundskeeping Workers	285	325	40	1.4	5	5	10	10.61	22,080	7.71	16,039	10.07	20,952	12.07	25,100	5	T1, B2, B9, B7, T2
39-0000	Personal Care and Service Occupations	1,685	1,900	220	1.3	20	45	65										
39-9011	Child Care Workers	560	650	90	1.6	10	15	25	6.61	13,741	6.38	13,284	6.62	13,780	6.72	13,970	5	B2, B4, SO6, SO2, B9
39-9021	Personal and Home Care Aides	285	345	60	2.1	5	5	10	11.39	23,698	8.58	17,827	12.10	25,170	12.81	26,634	5	B2, SO6, SO1, SO5, B6, R4
41-0000	Sales and Related Occupations	6,110	6,520	410	0.7	45	185	230										
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	810	875	65	0.8	5	15	25	18.62	38,735	11.18	23,252	15.53	32,304	22.34	46,477	3	R3, B2, SO5, R4, SO2
41-2011	Cashiers	1,680	1,760	80	0.5	10	80	90	8.05	16,740	6.33	13,172	7.84	16,315	8.90	18,524	5	B2, B5, B9, SO2, SO6
41-2031	Retail Salespersons	1,465	1,630	160	1.1	15	45	60	11.23	23,371	7.27	15,110	8.93	18,576	13.22	27,502	5	B2, B5, B9, SO6, B3
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical and Scientific Products	560	585	25	0.4	5	10	15	23.86	49,628	12.07	25,123	20.78	43,223	29.75	61,881	3	B2, B9, R4, B7, SO4

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43-0000	Office and Administrative Support Occupations	8,235	8,535	300	0.4	55	170	225										
43-3031	Bookkeeping, Accounting, and Auditing Clerks	955	1,030	75	0.8	10	15	25	12.86	26,750	8.82	18,348	12.68	26,378	14.88	30,952	4	B5, B7, R4, B2, B3
43-3071	Tellers	255	285	30	1.2	5	10	15	9.68	20,140	8.37	17,396	9.46	19,696	10.34	21,511	5	B5, B2, SO5, SO6, B7
43-4051	Customer Service Reps	420	500	75	1.8	10	10	20	12.31	25,608	8.41	17,488	11.85	24,650	14.26	29,669	4	B2, B7, B6, B9, R4
43-4171	Receptionists and Information Clerks	415	470	55	1.3	5	10	15	10.16	21,129	7.66	15,953	10.11	21,029	11.40	23,718	5	B2, B9, B7, B10, SO5
43-5081	Stock Clerks and Order Fillers	625	570	-60	-1.0	0	15	15	9.91	20,601	6.43	13,392	9.20	19,117	11.64	24,206	5	B9, B2, B1, B5, B3
43-6011	Executive Secretaries and Administrative Assistants	435	490	55	1.3	5	5	10	15.33	31,880	11.50	23,929	14.81	30,800	17.24	35,855	3	B2, B7, R4, B9, B10
43-6014	Secretaries, Except Legal, Medical, and Executive	990	950	-40	-0.4	0	15	15	10.87	22,608	8.36	17,381	10.43	21,682	12.12	25,222	4	B2, B7, R4, B9, B10
43-9061	Office Clerks, General	1,355	1,510	155	1.1	15	25	40	11.48	23,879	8.83	18,380	11.27	23,448	12.81	26,627	5	B2, B7, B9, B10, SO6
45-0000	Farming, Fishing, and Forestry Occupations	1,165	1,270	105	0.9	10	30	40										
45-2093	Farmworkers, Farm and Ranch Animals	480	555	75	1.6	5	10	20	11.02	22,911	8.17	16,977	9.43	19,613	12.44	25,879	5	SO2, B2, SO1, T1, B9
47-0000	Construction and Extraction Occupations	2,550	2,715	170	0.7	15	45	60										
47-2031	Carpenters	660	700	45	0.7	5	10	15	13.02	27,086	9.81	20,415	12.49	25,971	14.63	30,422	3	B5, R4, B2, B3, SY1
49-0000	Installation, Maintenance, and Repair Occupations	2,390	2,590	195	0.8	20	40	60										
49-3023	Automotive Service Technicians and Mechanics	300	330	30	1.0	5	5	10	13.80	28,714	10.26	21,335	12.97	26,988	15.58	32,404	3	T11, T9, T2, B1, B7
51-0000	Production Occupations	8,020	8,415	395	0.5	55	180	235										
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	760	755	-5	-0.1	0	15	15	20.92	43,517	15.52	32,272	18.17	37,793	23.63	49,140	3	B2, B7, R3, SO2, B6
51-2092	Team Assemblers	1,200	1,210	10	0.1	*	*	25	12.05	25,059	9.88	20,558	11.33	23,572	13.13	27,309	4	B4, B2, T8, B1, SO2
51-4121	Welders, Cutters, Solderers, and Brazers	240	265	25	1.0	5	5	10	13.08	27,222	10.65	22,151	12.85	26,721	14.30	29,756	3	B2, B5, T2, R4, B3, B7
53-0000	Transportation and Material Moving Occupations	5,495	5,885	390	0.7	50	115	165										
53-3032	Truck Drivers, Heavy and Tractor-Trailer	2,330	2,720	390	1.7	40	40	80	15.64	32,525	11.50	23,928	14.87	30,930	17.70	36,824	4	T1, B2, R4, SO1, SY1, B7
53-7051	Industrial Truck and Tractor Operators	395	385	-10	-0.3	0	10	10	12.21	25,408	9.65	20,059	12.15	25,269	13.50	28,081	5	B5, B2, B7, T1, T4
53-7061	Cleaners of Vehicles and Equipment	170	195	25	1.5	5	5	10	7.81	16,232	6.51	13,544	7.09	14,739	8.45	17,577	5	T1, B2, R4, SO1, SO2
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	985	985	0	0.0	0	30	30	11.07	23,020	8.77	18,241	10.82	22,510	12.22	25,410	5	B2, B7, SO2, SO1, B4, R4

N.A. = Wage data not available.

Definitions: Mean Wage = Average wage computed by dividing the estimated total wage for an occupation by its weighted employment; Entry Wage = Average of the lowest third of reported wages for the occupation; Median Wage = The point at which 50% of the employment was below this wage and 50% was above; Experienced Wage = Average of the upper two-thirds of reported wages for the occupation.

* = Suppressed employment data.

Note: 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 a general indication of the education and/or training typically required nationally for an occupation. There may be alternative pathways into an occupation, however, as well as additional educational, training, or licensing requirements (IWD will use Iowa requirements when available). A modified model adopted for this publication from the U.S. Department of Labor's Bureau of Labor Statistics (BLS) features the following education/training levels: 1 = Master's degree or higher; 2 = Bachelor's degree; 3 = Postsecondary education/training; 4 = High school education or G.E.D.; 5 = Less than high school education or G.E.D.

*****Top Skills** refers to those skills identified through employer sampling 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;

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 and Wages: 2007 Iowa Wage Survey estimates, Labor Market and Workforce Information Division, Iowa Workforce Development (Employment and wage estimates developed from the May 2006 Occupational Employment Statistics Wage Survey with the wage estimates updated to the second quarter of 2007 using the Employment Cost Index.).

Occupational Projections: Labor Market and Workforce Information Division, Iowa Workforce Development.

Skills: Occupational Information Network (O*NET), U.S. Department of Labor.