

IOWA WORKFORCE DEVELOPMENT STATE OF IOWA OCCUPATIONAL PROJECTIONS: 2004-2014, LISTED BY MAJOR OCCUPATIONAL GROUPS

SOC Code	Occupational Title	2004 Estimated Employment	2014 Projected Employment	2004-2014 Employment Change	Annual Growth Rate (%)	Annual New Jobs	Annual Replace- ments	Total Annual Openings	2006 Mean Hourly Wage	2006 Entry Wage	2006 Experi- enced Wage	2006 Median Wage	2006 Mean Annual Wage	Training/ Education Level
	<b>Total, All Occupations</b>	<b>1,693,395</b>	<b>1,901,935</b>	<b>208,540</b>	<b>1.2</b>	<b>22,350</b>	<b>39,130</b>	<b>61,480</b>						
<b>11-0000</b>	<b>Management Occupations</b>	<b>164,560</b>	<b>168,160</b>	<b>3,595</b>	<b>0.2</b>	<b>1,115</b>	<b>1,955</b>	<b>3,065</b>						
11-1011	Chief Executives	3,820	4,395	575	1.5	60	70	130	\$59.93	\$24.72	\$77.53	\$58.09	\$124,656	2
11-1021	General and Operations Managers	13,675	15,935	2,260	1.7	225	260	485	41.88	21.40	52.11	37.18	87,092	2
11-2011	Advertising and Promotions Managers	490	585	100	2.0	10	10	20	29.42	17.45	35.41	24.26	61,193	2
11-2021	Marketing Managers	1,485	1,795	305	2.1	30	25	60	40.35	23.01	49.02	37.20	83,929	2
11-2022	Sales Managers	2,565	3,175	610	2.4	60	45	110	43.19	23.59	53.00	39.07	89,844	2
11-2031	Public Relations Managers	615	715	100	1.6	10	10	20	32.76	19.31	39.49	28.94	68,145	2
11-3011	Administrative Services Managers	3,305	3,710	405	1.2	40	65	105	33.25	19.36	40.19	32.37	69,152	2
11-3021	Computer and Information Systems Managers	2,375	3,000	625	2.6	65	45	105	41.71	27.68	48.74	41.11	86,763	2
11-3031	Financial Managers	5,685	6,695	1,010	1.8	100	80	180	42.58	24.79	51.48	38.64	88,571	2
11-3041	Compensation and Benefits Managers	460	555	100	2.2	10	10	20	31.82	20.08	37.69	28.84	66,184	2
11-3051	Industrial Production Managers	2,090	2,275	190	0.9	20	40	60	35.44	22.14	42.08	33.96	73,711	3
11-3061	Purchasing Managers	575	630	55	1.0	5	15	20	36.26	23.44	42.66	34.59	75,416	2
11-3071	Transportation, Storage, and Distribution Managers	1,140	1,290	155	1.4	15	20	40	35.99	22.26	42.86	33.72	74,872	3
11-9011	Farm, Ranch, and Other Agricultural Managers	1,850	1,955	105	0.6	10	30	45	30.21	17.11	36.77	25.41	62,847	2
11-9012	Farmers and Ranchers	88,545	81,055	-7,490	-0.8	0	520	520	n.a.	n.a.	n.a.	n.a.	n.a.	3
11-9021	Construction Managers	3,150	3,465	315	1.0	30	55	90	36.55	22.30	43.66	33.20	76,012	2
11-9031	Education Administrators, Preschool and Child Care Center/Program	660	795	135	2.0	15	15	30	16.92	11.67	19.55	14.73	35,202	2
11-9032	Education Administrators, Elementary and Secondary School	2,610	3,005	395	1.5	40	65	105	n.a.	n.a.	n.a.	n.a.	70,918	2
11-9033	Education Administrators, Postsecondary	1,760	1,840	80	0.5	10	45	50	32.19	18.27	39.16	28.25	66,965	2
11-9039	Education Administrators, All Other	720	730	10	0.1	*	20	20	31.76	18.44	38.43	28.32	66,071	2
11-9041	Engineering Managers	1,260	1,475	215	1.7	20	25	45	43.29	30.41	49.73	41.47	90,039	2
11-9051	Food Service Managers	3,290	3,790	500	1.5	50	55	105	20.51	12.17	24.68	18.56	42,658	3
11-9061	Funeral Directors	655	680	25	0.4	5	20	20	35.35	16.41	44.81	25.74	73,516	3
11-9081	Lodging Managers	825	970	145	1.8	15	15	30	16.93	12.20	19.31	15.59	35,223	3
11-9111	Medical and Health Services Managers	4,795	5,670	875	1.8	85	95	180	30.81	21.13	35.64	28.81	64,079	2
11-9141	Property, Real Estate, and Community Association Managers	1,470	1,725	255	1.7	25	30	55	26.44	13.34	33.00	19.94	55,011	2
11-9151	Social and Community Service Managers	1,845	2,225	380	2.1	40	35	75	24.06	14.90	28.64	21.90	50,051	2
11-9199	Managers, All Other	9,490	10,490	1,000	1.1	100	185	285	28.94	13.75	36.53	26.32	60,187	3
<b>13-0000</b>	<b>Business and Financial Operations Occupations</b>	<b>64,475</b>	<b>76,335</b>	<b>11,865</b>	<b>1.8</b>	<b>1,185</b>	<b>1,160</b>	<b>2,345</b>						
13-1021	Purchasing Agents and Buyers, Farm Products	1,055	1,105	50	0.5	5	35	40	24.70	15.98	29.05	23.78	51,366	3
13-1022	Wholesale and Retail Buyers, Except Farm Products	1,775	1,955	175	1.0	20	45	65	18.98	11.83	22.55	16.61	39,474	3
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	2,495	2,805	310	1.2	30	60	95	21.99	14.17	25.90	20.64	45,738	3
13-1031	Claims Adjusters, Examiners, and Investigators	2,995	3,645	650	2.2	65	35	100	20.29	14.02	23.42	19.80	42,193	3
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	1,970	2,220	250	1.3	25	45	70	22.97	15.77	26.57	21.33	47,772	3
13-1051	Cost Estimators	1,820	2,170	350	1.9	35	40	75	23.70	15.40	27.85	22.20	49,304	3
13-1071	Employment, Recruitment, and Placement Specialists	1,585	2,000	415	2.6	40	25	65	21.10	13.88	24.71	20.65	43,880	2
13-1072	Compensation, Benefits, and Job Analysis Specialists	835	990	155	1.9	15	15	30	22.46	15.18	26.10	20.66	46,714	2
13-1073	Training and Development Specialists	2,255	2,755	500	2.2	50	35	85	20.40	12.93	24.14	19.68	42,442	2
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	1,095	1,425	330	3.0	35	20	50	18.60	8.02	23.89	18.87	38,684	2
13-1111	Management Analysts	4,105	4,940	835	2.0	85	55	140	31.03	19.83	36.63	28.68	64,541	2
13-1199	Business Operations Specialists, All Other	15,740	19,725	3,980	2.5	400	270	665	23.55	12.83	28.91	21.23	48,973	2
13-2011	Accountants and Auditors	10,395	11,715	1,325	1.3	130	195	330	26.01	16.99	30.53	22.78	54,118	2
13-2021	Appraisers and Assessors of Real Estate	1,890	2,120	230	1.2	25	40	65	24.28	13.42	29.70	20.54	50,493	3
13-2041	Credit Analysts	720	795	75	1.0	5	10	20	24.86	16.48	29.05	22.93	51,705	2
13-2051	Financial Analysts	2,385	2,915	525	2.2	55	35	90	28.85	18.23	34.14	24.80	59,992	2
13-2052	Personal Financial Advisors	1,560	1,875	320	2.1	30	20	50	33.20	14.74	42.43	30.67	69,049	2
13-2053	Insurance Underwriters	1,585	1,825	240	1.5	25	30	50	23.63	15.59	27.65	22.06	49,148	2
13-2061	Financial Examiners	780	895	115	1.5	10	20	30	27.28	15.57	33.14	24.41	56,757	2
13-2072	Loan Officers	3,505	4,040	535	1.5	55	55	110	23.28	14.51	27.65	21.16	48,408	2
13-2082	Tax Preparers	1,075	1,190	110	1.0	10	20	30	12.55	8.54	14.55	10.74	26,104	4
13-2099	Financial Specialists, All Other	960	1,125	165	1.7	15	15	35	n.a.	n.a.	n.a.	n.a.	n.a.	2
<b>15-0000</b>	<b>Computer and Mathematical Occupations</b>	<b>28,040</b>	<b>36,090</b>	<b>8,050</b>	<b>2.9</b>	<b>805</b>	<b>385</b>	<b>1,190</b>						
15-1021	Computer Programmers	3,500	3,620	120	0.3	10	85	95	26.80	18.40	30.99	26.12	55,730	2
15-1031	Computer Software Engineers, Applications	2,840	4,210	1,370	4.8	135	30	165	34.21	21.66	40.49	34.39	71,164	2
15-1032	Computer Software Engineers, Systems Software	2,750	4,040	1,290	4.7	130	25	155	31.68	22.91	36.06	31.31	65,889	2
15-1041	Computer Support Specialists	4,690	5,705	1,010	2.2	100	60	160	19.39	12.80	22.68	18.68	40,327	3
15-1051	Computer Systems Analysts	6,310	8,270	1,965	3.1	195	70	270	30.63	22.07	34.91	30.18	63,709	2

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	<b>Total, All Occupations</b>	<b>1,693,395</b>	<b>1,901,935</b>	<b>208,540</b>	<b>1.2</b>	<b>22,350</b>	<b>39,130</b>	<b>61,480</b>						
15-1061	Database Administrators	655	860	205	3.1	20	5	25	28.70	18.61	33.74	27.32	59,689	2
15-1071	Network and Computer Systems Administrators	2,765	3,640	875	3.2	85	30	120	27.66	17.83	32.58	26.36	57,540	2
15-1081	Network Systems and Data Communications Analysts	1,885	2,640	755	4.0	75	20	100	27.85	17.50	33.03	26.87	57,931	2
15-1099	Computer Specialists, All Other	1,200	1,435	235	2.0	25	15	35	23.34	14.81	27.60	21.88	48,543	3
15-2011	Actuaries	560	675	120	2.1	10	25	35	40.42	23.06	49.10	36.73	84,079	2
15-2031	Operations Research Analysts	720	805	85	1.2	10	15	25	24.24	16.53	28.08	21.76	50,404	2
<b>17-0000</b>	<b>Architecture and Engineering Occupations</b>	<b>14,880</b>	<b>17,495</b>	<b>2,615</b>	<b>1.8</b>	<b>260</b>	<b>345</b>	<b>605</b>						
17-1022	Surveyors	340	420	75	2.2	10	10	20	21.25	13.34	25.22	20.70	44,214	2
17-2051	Civil Engineers	1,230	1,405	175	1.4	20	20	35	32.03	22.50	36.80	31.22	66,630	2
17-2071	Electrical Engineers	1,245	1,440	195	1.6	20	25	45	35.24	26.01	39.85	34.36	73,293	2
17-2112	Industrial Engineers	1,925	2,500	575	3.0	55	45	105	29.67	22.44	33.29	29.03	61,725	2
17-2141	Mechanical Engineers	2,220	2,690	470	2.1	45	60	110	30.86	21.95	35.31	29.84	64,172	2
17-2199	Engineers, All Other	790	920	130	1.6	15	15	30	31.37	19.96	37.08	31.13	65,252	2
17-3011	Architectural and Civil Drafters	540	565	25	0.5	*	15	20	19.46	14.28	22.05	18.64	40,482	3
17-3013	Mechanical Drafters	960	1,080	125	1.3	10	25	40	19.02	13.40	21.83	18.70	39,556	3
17-3023	Electrical and Electronic Engineering Technicians	865	955	90	1.0	10	20	25	20.50	13.82	23.83	20.81	42,641	3
17-3026	Industrial Engineering Technicians	505	635	130	2.6	15	10	25	21.63	15.31	24.80	20.44	45,006	3
<b>19-0000</b>	<b>Life, Physical, and Social Science Occupations</b>	<b>12,035</b>	<b>13,275</b>	<b>1,240</b>	<b>1.0</b>	<b>125</b>	<b>280</b>	<b>405</b>						
19-1013	Soil and Plant Scientists	1,055	1,130	75	0.7	10	20	25	29.58	19.30	34.72	28.05	61,530	2
19-3021	Market Research Analysts	1,825	2,210	385	2.1	40	45	85	25.04	14.84	30.14	22.24	52,080	2
19-3031	Clinical, Counseling, and School Psychologists	1,275	1,430	155	1.2	15	30	45	27.79	17.71	32.83	24.93	57,807	1
19-4011	Agricultural and Food Science Technicians	845	920	75	0.9	10	15	25	19.47	11.51	23.46	18.02	40,512	3
19-4021	Biological Technicians	855	970	115	1.3	10	15	25	16.38	11.28	18.93	16.38	34,065	3
19-4093	Forest and Conservation Technicians	740	800	65	0.9	5	15	25	16.53	12.22	18.69	17.32	34,394	3
<b>21-0000</b>	<b>Community and Social Services Occupations</b>	<b>19,785</b>	<b>23,995</b>	<b>4,210</b>	<b>2.1</b>	<b>420</b>	<b>380</b>	<b>800</b>						
21-1011	Substance Abuse and Behavioral Disorder Counselors	1,285	1,545	260	2.0	25	30	55	16.34	11.83	18.58	15.26	33,973	2
21-1012	Educational, Vocational, and School Counselors	2,305	2,610	305	1.3	30	55	85	19.63	13.49	22.70	19.36	40,831	2
21-1013	Marriage and Family Therapists	380	475	90	2.4	10	10	20	18.66	11.29	22.34	17.11	38,816	2
21-1014	Mental Health Counselors	565	710	145	2.6	15	15	25	18.88	11.39	22.62	17.16	39,268	2
21-1015	Rehabilitation Counselors	1,345	1,695	345	2.6	35	30	65	n.a.	n.a.	n.a.	n.a.	n.a.	2
21-1019	Counselors, All Other	455	600	150	3.3	15	10	25	11.14	8.03	12.70	10.27	23,166	2
21-1021	Child, Family, and School Social Workers	2,820	3,330	510	1.8	50	50	100	17.20	10.70	20.46	17.15	35,793	2
21-1022	Medical and Public Health Social Workers	1,380	1,695	315	2.3	30	25	55	18.96	13.97	21.45	17.94	39,443	2
21-1023	Mental Health and Substance Abuse Social Workers	770	975	205	2.7	20	15	35	n.a.	n.a.	n.a.	n.a.	n.a.	2
21-1029	Social Workers, All Other	490	585	95	1.9	10	10	20	19.36	12.45	22.82	19.21	40,266	2
21-1093	Social and Human Service Assistants	4,695	5,655	960	2.0	95	85	180	12.48	7.37	15.04	11.55	25,963	4
21-1099	Community and Social Service Specialists, All Other	2,135	2,835	695	3.3	70	40	110	n.a.	n.a.	n.a.	n.a.	n.a.	2
<b>23-0000</b>	<b>Legal Occupations</b>	<b>10,340</b>	<b>11,930</b>	<b>1,590</b>	<b>1.5</b>	<b>160</b>	<b>120</b>	<b>280</b>						
23-1011	Lawyers	5,150	6,090	940	1.8	95	65	160	47.53	23.84	59.37	40.35	98,855	1
23-2011	Paralegals and Legal Assistants	1,375	1,775	400	2.9	40	10	50	18.20	12.95	20.83	17.13	37,860	3
23-2093	Title Examiners, Abstractors, and Searchers	1,285	1,390	105	0.8	10	15	25	13.41	10.11	15.06	12.07	27,896	4
23-2099	Legal Support Workers, All Other	1,475	1,575	100	0.7	10	15	25	20.01	14.89	22.57	17.88	41,613	2
<b>25-0000</b>	<b>Education, Training, and Library Occupations</b>	<b>102,345</b>	<b>111,750</b>	<b>9,405</b>	<b>0.9</b>	<b>1,005</b>	<b>2,200</b>	<b>3,205</b>						
25-1011	Business Teachers, Postsecondary	1,110	1,060	-50	-0.5	0	25	25	n.a.	n.a.	n.a.	n.a.	62,003	2
25-1121	Art, Drama, and Music Teachers, Postsecondary	895	845	-50	-0.6	0	20	20	n.a.	n.a.	n.a.	n.a.	47,648	2
25-1194	Vocational Education Teachers, Postsecondary	865	845	-20	-0.2	0	20	20	21.37	12.85	25.63	20.83	44,451	2
25-1199	Postsecondary Teachers, All Other	3,355	3,220	-135	-0.4	0	75	75	n.a.	n.a.	n.a.	n.a.	41,191	1
25-2011	Preschool Teachers, Except Special Education	3,990	4,980	990	2.5	100	45	145	10.06	6.85	11.67	9.13	20,925	3
25-2012	Kindergarten Teachers, Except Special Education	1,775	1,865	90	0.5	10	20	30	n.a.	n.a.	n.a.	n.a.	36,739	2
25-2021	Elementary School Teachers, Except Special Education	19,295	20,850	1,560	0.8	155	425	580	n.a.	n.a.	n.a.	n.a.	35,587	2
25-2022	Middle School Teachers, Except Special and Vocational Education	9,020	10,120	1,100	1.2	110	200	310	n.a.	n.a.	n.a.	n.a.	37,366	2
25-2031	Secondary School Teachers, Except Special and Vocational Education	13,120	14,630	1,510	1.2	150	370	520	n.a.	n.a.	n.a.	n.a.	35,577	2
25-2032	Vocational Education Teachers, Secondary School	1,385	1,615	235	1.7	25	40	60	n.a.	n.a.	n.a.	n.a.	39,258	2
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	2,755	2,875	120	0.4	10	65	80	n.a.	n.a.	n.a.	n.a.	38,333	2
25-2042	Special Education Teachers, Middle School	1,585	1,685	105	0.7	10	40	50	n.a.	n.a.	n.a.	n.a.	39,556	2
25-2043	Special Education Teachers, Secondary School	2,155	2,355	205	1.0	20	50	70	n.a.	n.a.	n.a.	n.a.	39,063	2
25-3021	Self-Enrichment Education Teachers	1,800	1,875	75	0.4	10	20	30	n.a.	n.a.	n.a.	n.a.	n.a.	3
25-3099	Teachers and Instructors, All Other	5,070	5,675	605	1.2	60	60	125	n.a.	n.a.	n.a.	n.a.	30,518	2

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25-4021	Librarians	1,545	1,750	205	1.3	20	35	55	20.40	13.03	24.09	20.04	42,435	2
25-4031	Library Technicians	2,010	2,165	155	0.8	15	75	90	10.65	7.28	12.34	9.71	22,158	3
25-9031	Instructional Coordinators	1,595	1,725	130	0.8	15	25	35	23.55	15.95	27.34	23.84	48,975	2
25-9041	Teacher Assistants	16,490	19,115	2,620	1.6	260	320	580	n.a.	n.a.	n.a.	n.a.	17,881	5
25-9099	Education, Training, and Library Workers, All Other	1,010	1,110	100	1.0	10	15	25	14.76	8.98	17.64	13.50	30,683	2
<b>27-0000</b>	<b>Arts, Design, Entertainment, Sports, and Media Occupations</b>	<b>25,170</b>	<b>28,315</b>	<b>3,145</b>	<b>1.2</b>	<b>315</b>	<b>470</b>	<b>790</b>						
27-1023	Floral Designers	1,415	1,570	155	1.1	15	20	35	9.27	7.28	10.27	9.02	19,290	4
27-1024	Graphic Designers	3,065	3,580	510	1.7	50	40	90	16.08	10.77	18.74	14.95	33,448	2
27-1026	Merchandise Displayers and Window Trimmers	825	935	110	1.3	10	10	20	10.46	7.69	11.83	9.90	21,747	4
27-2022	Coaches and Scouts	3,650	3,850	200	0.5	20	70	90	n.a.	n.a.	n.a.	n.a.	22,590	3
27-2032	Choreographers	285	305	20	0.7	*	15	20	12.65	6.73	15.60	9.49	26,302	3
27-2042	Musicians and Singers	670	795	125	1.9	15	15	25	n.a.	n.a.	n.a.	n.a.	n.a.	3
27-3011	Radio and Television Announcers	1,035	1,020	-15	-0.1	0	25	25	11.91	6.50	14.60	9.57	24,760	3
27-3031	Public Relations Specialists	2,045	2,425	380	1.9	40	30	65	21.88	13.08	26.28	19.90	45,510	2
27-3041	Editors	1,190	1,500	305	2.6	30	30	60	19.94	13.43	23.19	19.23	41,458	2
27-3042	Technical Writers	425	525	95	2.2	10	10	20	22.30	15.53	25.70	21.92	46,394	2
27-3043	Writers and Authors	2,065	2,285	220	1.1	20	35	55	17.95	10.08	21.90	17.40	37,346	2
27-4021	Photographers	1,800	1,980	180	1.0	20	35	55	10.89	7.26	12.70	9.83	22,642	3
<b>29-0000</b>	<b>Healthcare Practitioners and Technical Occupations</b>	<b>77,510</b>	<b>91,380</b>	<b>13,875</b>	<b>1.8</b>	<b>1,385</b>	<b>1,495</b>	<b>2,885</b>						
29-1011	Chiropractors	920	1,010	95	1.0	10	15	25	36.99	16.42	47.28	27.75	76,943	1
29-1021	Dentists, General	1,465	1,585	120	0.8	10	25	35	67.84	42.48	80.52	64.66	141,105	1
29-1031	Dietitians and Nutritionists	670	765	95	1.4	10	20	25	19.32	12.51	22.72	19.38	40,173	2
29-1051	Pharmacists	2,570	3,250	685	2.7	70	50	120	40.50	33.29	44.10	41.14	84,243	1
29-1062	Family and General Practitioners	2,150	2,530	375	1.7	40	30	65	68.74	31.90	87.15	n.a.	142,966	1
29-1069	Physicians and Surgeons, All Other	1,240	1,420	175	1.4	20	15	35	65.93	29.69	84.06	67.09	137,146	1
29-1071	Physician Assistants	700	935	235	3.4	25	10	35	34.98	27.84	38.55	35.52	72,758	2
29-1111	Registered Nurses	31,940	37,105	5,165	1.6	515	670	1,185	22.41	17.57	24.82	21.83	46,610	3
29-1122	Occupational Therapists	635	745	110	1.7	10	10	20	25.41	19.22	28.51	24.93	52,851	2
29-1123	Physical Therapists	1,130	1,295	165	1.5	15	10	30	29.13	22.54	32.43	28.90	60,594	2
29-1126	Respiratory Therapists	815	855	45	0.6	5	25	30	20.38	16.69	22.23	20.31	42,394	3
29-1127	Speech-Language Pathologists	930	1,070	135	1.5	15	25	35	25.50	19.13	28.69	25.12	53,047	2
29-1131	Veterinarians	1,035	1,125	90	0.9	10	25	35	29.71	14.52	37.29	26.09	61,787	1
29-1199	Health Diagnosing and Treating Practitioners, All Other	590	725	130	2.2	15	15	25	63.71	17.32	86.91	n.a.	132,509	2
29-2011	Medical and Clinical Laboratory Technologists	1,685	1,970	285	1.7	30	45	75	21.90	17.52	24.09	21.83	45,561	2
29-2012	Medical and Clinical Laboratory Technicians	1,540	1,780	240	1.6	25	40	65	16.24	12.03	18.33	16.09	33,767	3
29-2021	Dental Hygienists	2,240	2,920	680	3.0	70	20	85	28.53	24.30	30.64	29.07	59,339	3
29-2034	Radiologic Technologists and Technicians	2,250	2,645	395	1.8	40	40	80	19.86	15.33	22.13	19.82	41,304	3
29-2041	Emergency Medical Technicians and Paramedics	1,650	1,930	280	1.7	30	20	45	12.68	8.44	14.79	12.04	26,364	3
29-2052	Pharmacy Technicians	3,210	4,120	905	2.8	90	40	135	10.86	7.95	12.32	10.62	22,590	4
29-2061	Licensed Practical and Licensed Vocational Nurses	7,950	9,850	1,895	2.4	190	175	365	15.99	13.05	17.45	15.92	33,243	3
29-2071	Medical Records and Health Information Technicians	1,985	2,450	465	2.3	45	30	75	12.79	9.23	14.58	11.95	26,611	3
29-2099	Health Technologists and Technicians, All Other	545	635	90	1.7	10	10	20	15.40	10.45	17.88	13.80	32,030	3
29-9099	Healthcare Practitioners and Technical Workers, All Other	780	885	105	1.3	10	15	25	17.28	10.54	20.66	15.45	35,957	3
<b>31-0000</b>	<b>Healthcare Support Occupations</b>	<b>43,985</b>	<b>53,950</b>	<b>9,960</b>	<b>2.3</b>	<b>995</b>	<b>665</b>	<b>1,660</b>						
31-1011	Home Health Aides	7,310	10,680	3,370	4.6	335	95	435	9.47	7.64	10.39	9.46	19,713	5
31-1012	Nursing Aides, Orderlies, and Attendants	24,370	28,160	3,790	1.6	380	320	700	10.82	9.21	11.64	10.52	22,518	3
31-9011	Massage Therapists	825	900	75	0.9	10	15	25	14.71	8.23	17.93	15.20	30,578	3
31-9091	Dental Assistants	2,830	3,670	840	3.0	85	80	165	14.66	11.60	16.20	14.54	30,506	4
31-9092	Medical Assistants	1,875	2,450	575	3.1	60	35	90	12.29	9.57	13.65	12.00	25,570	4
31-9094	Medical Transcriptionists	1,990	2,460	470	2.4	45	35	85	13.08	10.87	14.18	12.85	27,193	3
31-9099	Healthcare Support Workers, All Other	2,035	2,360	325	1.6	35	40	70	11.20	8.58	12.52	10.48	23,307	5
<b>33-0000</b>	<b>Protective Service Occupations</b>	<b>20,095</b>	<b>22,125</b>	<b>2,025</b>	<b>1.0</b>	<b>205</b>	<b>645</b>	<b>850</b>						
33-1012	First-Line Supervisors/Managers of Police and Detectives	700	765	70	1.0	5	25	30	28.49	21.21	32.12	27.61	59,250	3
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	380	440	60	1.6	5	15	20	23.18	13.28	28.13	24.05	48,222	3
33-2011	Fire Fighters	1,765	2,100	335	1.9	35	50	85	15.35	9.20	18.43	16.29	31,929	3
33-3012	Correctional Officers and Jailers	3,640	3,780	140	0.4	15	75	90	17.92	13.72	20.02	18.71	37,275	4
33-3051	Police and Sheriff's Patrol Officers	4,790	5,250	460	1.0	45	125	170	19.93	14.14	22.82	19.91	41,442	3
33-9011	Animal Control Workers	215	245	25	1.2	5	15	20	12.14	7.52	14.46	11.07	25,253	4

IOWA WORKFORCE DEVELOPMENT STATE OF IOWA OCCUPATIONAL PROJECTIONS: 2004-2014, LISTED BY MAJOR OCCUPATIONAL GROUPS

SOC Code	Occupational Title	2004 Estimated Employment	2014 Projected Employment	2004-2014 Employment Change	Annual Growth Rate (%)	Annual New Jobs	Annual Replace- ments	Total Annual Openings	2006 Mean Hourly Wage	2006 Entry Wage	2006 Experi- enced Wage	2006 Median Wage	2006 Mean Annual Wage	Training/ Education Level
	<b>Total, All Occupations</b>	<b>1,693,395</b>	<b>1,901,935</b>	<b>208,540</b>	<b>1.2</b>	<b>22,350</b>	<b>39,130</b>	<b>61,480</b>						
33-9032	Security Guards	3,440	3,710	270	0.8	25	75	100	11.20	7.37	13.12	9.91	23,297	5
33-9091	Crossing Guards	365	420	60	1.6	5	10	20	11.00	7.67	12.66	10.84	22,867	5
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	2,405	2,720	315	1.3	30	165	200	6.83	6.04	7.23	6.62	14,214	5
33-9099	Protective Service Workers, All Other	665	705	40	0.6	5	45	50	14.26	8.43	17.18	13.29	29,666	5
<b>35-0000</b>	<b>Food Preparation and Serving Related Occupations</b>	<b>131,850</b>	<b>155,350</b>	<b>23,500</b>	<b>1.8</b>	<b>2,350</b>	<b>5,225</b>	<b>7,575</b>						
35-1011	Chefs and Head Cooks	1,020	1,190	170	1.7	15	30	45	15.17	9.61	17.94	14.15	31,540	3
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	8,190	9,740	1,550	1.9	155	195	350	13.27	9.14	15.34	12.24	27,608	3
35-2011	Cooks, Fast Food	7,275	8,495	1,215	1.7	120	225	345	7.09	6.06	7.60	6.96	14,736	5
35-2012	Cooks, Institution and Cafeteria	8,260	10,415	2,155	2.6	215	255	470	9.46	7.20	10.59	9.39	19,672	4
35-2014	Cooks, Restaurant	8,525	10,025	1,495	1.8	150	265	415	9.09	7.04	10.13	8.85	18,924	3
35-2015	Cooks, Short Order	2,880	3,260	380	1.3	40	90	125	7.96	6.12	8.87	7.82	16,548	5
35-2021	Food Preparation Workers	15,970	18,950	2,975	1.9	300	565	865	8.16	6.30	9.09	8.01	16,968	5
35-3011	Bartenders	8,240	9,490	1,250	1.5	125	325	450	7.82	6.08	8.69	7.33	16,272	5
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	25,520	30,010	4,495	1.8	450	1,105	1,555	7.17	6.05	7.73	6.84	14,910	5
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	4,785	5,690	905	1.9	90	310	405	7.30	6.07	7.93	6.96	15,197	5
35-3031	Waiters and Waitresses	26,830	31,305	4,475	1.7	445	1,380	1,830	7.08	6.05	7.59	6.53	14,715	5
35-3041	Food Servers, Nonrestaurant	2,635	3,125	490	1.9	50	90	135	8.86	6.74	9.92	8.82	18,433	5
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	2,765	3,260	495	1.8	50	95	140	7.71	6.08	8.53	7.35	16,047	5
35-9021	Dishwashers	5,200	6,035	840	1.6	85	175	260	7.10	6.05	7.62	6.85	14,756	5
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,710	3,175	460	1.7	45	85	130	7.47	6.06	8.17	7.24	15,535	5
35-9099	Food Preparation and Serving Related Workers, All Other	790	920	125	1.6	15	25	35	8.27	6.16	9.32	7.99	17,204	5
<b>37-0000</b>	<b>Building and Grounds Cleaning and Maintenance Occupations</b>	<b>56,265</b>	<b>66,000</b>	<b>9,735</b>	<b>1.7</b>	<b>970</b>	<b>1,110</b>	<b>2,075</b>						
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	2,340	2,810	470	2.0	45	55	100	15.70	10.79	18.15	14.75	32,646	3
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	1,035	1,185	150	1.4	15	10	25	17.93	11.00	21.40	17.46	37,295	3
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	28,800	33,710	4,910	1.7	490	545	1,035	10.11	7.15	11.59	9.70	21,023	5
37-2012	Maids and Housekeeping Cleaners	13,525	16,180	2,655	2.0	265	285	550	8.49	6.82	9.32	8.36	17,654	5
37-3011	Landscaping and Groundskeeping Workers	7,605	8,865	1,260	1.7	125	165	290	10.76	7.42	12.45	9.94	22,391	5
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	695	725	30	0.4	5	15	20	12.91	9.64	14.54	12.53	26,859	4
37-3013	Tree Trimmers and Pruners	835	910	75	0.9	10	20	25	14.04	8.24	16.94	14.49	29,201	5
<b>39-0000</b>	<b>Personal Care and Service Occupations</b>	<b>48,595</b>	<b>57,560</b>	<b>8,965</b>	<b>1.8</b>	<b>900</b>	<b>1,195</b>	<b>2,095</b>						
39-1012	Slot Key Persons	595	795	205	3.4	20	10	35	11.86	9.60	12.98	10.94	24,659	3
39-1021	First-Line Supervisors/Managers of Personal Service Workers	780	980	200	2.6	20	20	40	16.03	10.46	18.81	13.92	33,332	3
39-2021	Nonfarm Animal Caretakers	1,450	1,670	220	1.5	20	35	60	9.21	6.38	10.63	8.12	19,156	5
39-3011	Gaming Dealers	670	915	240	3.6	25	20	45	7.75	6.09	8.58	7.04	16,118	3
39-3031	Ushers, Lobby Attendants, and Ticket Takers	880	985	105	1.2	10	50	60	6.80	5.99	7.21	6.48	14,142	5
39-3091	Amusement and Recreation Attendants	3,460	4,570	1,110	3.2	110	100	210	7.49	6.07	8.19	7.22	15,565	5
39-5012	Hairdressers, Hairstylists, and Cosmetologists	8,160	9,035	875	1.1	85	155	245	10.68	6.96	12.53	9.58	22,211	3
39-9011	Child Care Workers	16,630	19,605	2,975	1.8	295	455	750	7.94	6.08	8.86	7.35	16,497	5
39-9021	Personal and Home Care Aides	4,430	5,845	1,415	3.2	140	70	210	9.40	7.70	10.24	9.23	19,538	5
39-9031	Fitness Trainers and Aerobics Instructors	2,095	2,320	225	1.1	20	50	70	10.91	6.43	13.15	8.59	22,692	3
39-9032	Recreation Workers	5,060	5,760	700	1.4	70	115	185	9.36	6.32	10.87	8.26	19,454	5
<b>41-0000</b>	<b>Sales and Related Occupations</b>	<b>165,300</b>	<b>185,380</b>	<b>20,075</b>	<b>1.2</b>	<b>2,035</b>	<b>5,380</b>	<b>7,415</b>						
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	21,625	23,680	2,055	1.0	205	390	595	17.57	10.79	20.96	15.28	36,537	3
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	5,330	5,770	445	0.8	45	100	145	31.65	17.55	38.71	27.46	65,841	3
41-2011	Cashiers	39,105	41,645	2,540	0.6	255	1,905	2,155	7.78	6.14	8.60	7.64	16,190	5
41-2012	Gaming Change Persons and Booth Cashiers	345	495	150	4.3	15	15	30	10.77	9.34	11.47	10.49	22,383	5
41-2021	Counter and Rental Clerks	3,635	4,530	895	2.5	90	140	230	9.35	6.18	10.93	8.38	19,453	5
41-2022	Parts Salespersons	3,055	2,935	-125	-0.4	0	85	85	14.14	9.01	16.71	13.50	29,419	4
41-2031	Retail Salespersons	47,895	56,035	8,135	1.7	815	1,740	2,555	11.20	6.94	13.34	8.99	23,308	5
41-3011	Advertising Sales Agents	2,045	2,380	335	1.6	35	40	75	17.84	9.45	22.04	14.75	37,108	4
41-3021	Insurance Sales Agents	4,890	5,515	625	1.3	65	115	180	22.28	11.16	27.84	17.52	46,346	2
41-3031	Securities, Commodities, and Financial Services Sales Agents	2,630	3,120	490	1.9	50	30	80	31.61	13.04	40.90	23.33	65,758	2
41-3099	Sales Representatives, Services, All Other	3,075	3,800	730	2.4	75	60	130	n.a.	n.a.	n.a.	n.a.	n.a.	4
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	4,435	5,110	675	1.5	70	115	185	30.45	16.55	37.40	25.72	63,337	4
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	14,735	16,745	2,010	1.4	200	385	590	24.21	12.52	30.06	21.53	50,368	4
41-9011	Demonstrators and Product Promoters	2,525	2,900	375	1.5	35	55	95	n.a.	n.a.	n.a.	n.a.	n.a.	4
41-9022	Real Estate Sales Agents	1,765	2,010	250	1.4	25	35	60	21.33	12.65	25.68	20.76	44,372	3
41-9041	Telemarketers	3,035	2,865	-170	-0.6	0	50	50	9.84	7.12	11.19	9.19	20,461	5

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SOC Code	Occupational Title	2004 Estimated Employment	2014 Projected Employment	2004-2014 Employment Change	Annual Growth Rate (%)	Annual New Jobs	Annual Replace- ments	Total Annual Openings	2006 Mean Hourly Wage	2006 Entry Wage	2006 Experi- enced Wage	2006 Median Wage	2006 Mean Annual Wage	Training/ Education Level
	<b>Total, All Occupations</b>	<b>1,693,395</b>	<b>1,901,935</b>	<b>208,540</b>	<b>1.2</b>	<b>22,350</b>	<b>39,130</b>	<b>61,480</b>						
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	1,870	2,015	150	0.8	15	45	60	n.a.	n.a.	n.a.	n.a.	n.a.	5
41-9099	Sales and Related Workers, All Other	2,130	2,525	395	1.9	40	40	80	17.37	9.82	21.16	15.47	36,142	4
<b>43-0000</b>	<b>Office and Administrative Support Occupations</b>	<b>247,110</b>	<b>270,745</b>	<b>23,635</b>	<b>1.0</b>	<b>2,705</b>	<b>5,815</b>	<b>8,520</b>						
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	11,085	12,125	1,040	0.9	105	240	340	21.15	13.62	24.91	20.13	43,994	3
43-2011	Switchboard Operators, Including Answering Service	1,450	1,580	130	0.9	15	35	50	10.76	8.43	11.93	10.66	22,388	5
43-3011	Bill and Account Collectors	4,755	5,815	1,060	2.2	105	90	195	13.90	10.55	15.58	13.35	28,921	5
43-3021	Billing and Posting Clerks and Machine Operators	5,010	5,235	225	0.4	20	85	105	13.32	10.15	14.90	13.08	27,707	4
43-3031	Bookkeeping, Accounting, and Auditing Clerks	25,230	27,570	2,340	0.9	235	475	705	13.52	9.08	15.74	13.12	28,129	4
43-3041	Gaming Cage Workers	380	515	135	3.6	15	20	30	10.25	8.94	10.91	10.19	21,318	5
43-3051	Payroll and Timekeeping Clerks	1,920	2,260	345	1.8	35	50	85	14.36	10.75	16.17	13.96	29,878	4
43-3071	Tellers	8,855	10,130	1,275	1.4	130	435	565	10.77	9.05	11.63	10.58	22,398	5
43-4031	Court, Municipal, and License Clerks	985	1,115	130	1.3	15	20	35	15.11	11.82	16.75	15.07	31,421	5
43-4051	Customer Service Representatives	22,695	28,495	5,800	2.6	580	335	920	13.30	9.27	15.33	12.86	27,676	4
43-4061	Eligibility Interviewers, Government Programs	870	775	-95	-1.1	0	25	25	18.24	14.30	20.21	19.12	37,934	4
43-4071	File Clerks	1,485	1,315	-170	-1.1	0	45	45	10.43	7.46	11.91	10.14	21,688	5
43-4081	Hotel, Motel, and Resort Desk Clerks	3,180	3,855	675	2.1	70	145	210	8.23	6.44	9.13	8.08	17,120	5
43-4111	Interviewers, Except Eligibility and Loan	1,185	1,325	145	1.2	15	30	45	12.16	9.21	13.64	11.47	25,299	5
43-4121	Library Assistants, Clerical	2,730	2,910	180	0.7	20	110	130	9.46	6.68	10.84	8.57	19,672	5
43-4131	Loan Interviewers and Clerks	2,640	2,800	165	0.6	15	35	55	13.61	10.94	14.95	13.11	28,314	5
43-4141	New Accounts Clerks	1,215	1,320	105	0.9	10	30	40	13.04	10.70	14.20	12.80	27,110	3
43-4151	Order Clerks	2,460	1,880	-580	-2.4	0	55	55	14.20	9.06	16.77	13.01	29,538	5
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	1,100	1,300	200	1.8	20	25	45	15.76	11.42	17.94	15.11	32,790	5
43-4171	Receptionists and Information Clerks	11,555	13,485	1,925	1.7	195	285	475	10.70	7.72	12.19	10.41	22,254	5
43-4199	Information and Record Clerks, All Other	1,970	2,000	30	0.2	5	30	35	14.89	9.52	17.57	13.43	30,958	5
43-5021	Couriers and Messengers	1,210	1,255	50	0.4	5	30	35	9.76	7.47	10.91	9.55	20,299	5
43-5031	Police, Fire, and Ambulance Dispatchers	850	935	85	1.0	10	20	25	14.65	11.72	16.12	14.14	30,475	4
43-5032	Dispatchers, Except Police, Fire, and Ambulance	1,745	1,875	130	0.7	15	40	50	15.78	10.23	18.56	15.39	32,831	4
43-5041	Meter Readers, Utilities	675	365	-315	-4.7	0	20	20	14.55	8.50	17.56	15.53	30,248	5
43-5052	Postal Service Mail Carriers	4,040	4,050	10	0.0	*	125	130	21.78	16.66	24.33	22.97	45,300	5
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	2,750	2,755	5	0.0	*	75	75	20.14	14.32	23.06	21.05	41,905	5
43-5061	Production, Planning, and Expediting Clerks	3,005	3,570	565	1.9	55	75	130	17.52	11.89	20.33	16.60	36,442	5
43-5071	Shipping, Receiving, and Traffic Clerks	7,060	7,665	605	0.9	60	145	205	13.36	9.36	15.36	12.86	27,800	5
43-5081	Stock Clerks and Order Fillers	20,070	19,525	-550	-0.3	0	745	745	10.32	7.22	11.86	9.40	21,462	5
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	1,415	1,140	-275	-1.9	0	35	35	13.25	9.87	14.95	13.19	27,573	5
43-6011	Executive Secretaries and Administrative Assistants	12,925	14,690	1,770	1.4	175	250	425	16.13	11.62	18.39	15.59	33,551	4
43-6012	Legal Secretaries	3,965	4,650	690	1.7	70	75	145	14.19	10.43	16.07	13.64	29,507	3
43-6013	Medical Secretaries	3,985	4,715	730	1.8	75	75	150	12.72	9.51	14.32	12.37	26,452	3
43-6014	Secretaries, Except Legal, Medical, and Executive	19,350	21,240	1,890	1.0	190	370	560	12.25	8.64	14.06	11.67	25,495	4
43-9011	Computer Operators	1,890	1,520	-375	-2.0	0	40	40	14.10	9.54	16.38	13.06	29,322	4
43-9021	Data Entry Keyers	2,865	2,990	125	0.4	15	70	80	10.93	7.84	12.46	10.55	22,717	4
43-9022	Word Processors and Typists	1,965	1,960	-5	0.0	0	45	45	12.80	8.96	14.71	12.65	26,627	4
43-9041	Insurance Claims and Policy Processing Clerks	2,375	2,660	280	1.2	30	40	65	14.04	10.84	15.64	13.58	29,209	4
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	1,935	1,380	-560	-2.9	0	60	60	11.14	8.45	12.49	10.66	23,180	5
43-9061	Office Clerks, General	33,235	37,080	3,845	1.2	385	735	1,120	11.37	7.79	13.16	10.94	23,643	5
43-9071	Office Machine Operators, Except Computer	1,020	850	-170	-1.7	0	25	25	11.05	7.68	12.74	10.59	22,995	5
43-9199	Office and Administrative Support Workers, All Other	2,160	2,370	210	1.0	20	50	70	11.68	7.75	13.63	11.48	24,281	4
<b>45-0000</b>	<b>Farming, Fishing, and Forestry Occupations</b>	<b>12,090</b>	<b>12,165</b>	<b>80</b>	<b>0.1</b>	<b>25</b>	<b>325</b>	<b>350</b>						
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	980	1,055	75	0.8	10	25	30	22.11	15.06	25.64	21.07	45,995	3
45-2041	Graders and Sorters, Agricultural Products	625	650	20	0.3	*	15	20	12.02	8.05	13.99	11.09	24,982	3
45-2091	Agricultural Equipment Operators	1,190	1,215	25	0.2	5	35	35	12.34	10.02	13.50	12.14	25,665	4
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,705	2,760	55	0.2	5	75	80	9.72	7.00	11.07	8.78	20,214	5
45-2093	Farmworkers, Farm and Ranch Animals	4,785	4,645	-145	-0.3	0	135	135	10.72	7.48	12.34	9.80	22,289	5
45-2099	Agricultural Workers, All Other	810	770	-45	-0.6	0	20	20	n.a.	n.a.	n.a.	n.a.	n.a.	5
<b>47-0000</b>	<b>Construction and Extraction Occupations</b>	<b>82,925</b>	<b>94,035</b>	<b>11,110</b>	<b>1.3</b>	<b>1,115</b>	<b>1,565</b>	<b>2,680</b>						
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	7,035	7,900	865	1.2	85	120	205	26.98	18.07	31.44	25.64	56,121	3
47-2021	Brickmasons and Blockmasons	2,520	2,885	370	1.5	35	35	75	18.74	13.06	21.59	18.86	38,988	3
47-2031	Carpenters	13,950	15,925	1,975	1.4	200	225	425	16.69	11.55	19.26	15.89	34,707	3
47-2041	Carpet Installers	1,015	1,130	115	1.1	10	15	25	16.37	11.95	18.58	16.79	34,050	4

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SOC Code	Occupational Title	2004 Estimated Employment	A 2014 Projected Employment	2004-2014 Employment Change	Annual Growth Rate (%)	Annual New Jobs	Annual Replace- ments	Total Annual Openings	2006 Mean Hourly Wage	2006 Entry Wage	2006 Experi- enced Wage	2006 Median Wage	2006 Mean Annual Wage	Training/ Education Level
	<b>Total, All Occupations</b>	<b>1,693,395</b>	<b>1,901,935</b>	<b>208,540</b>	<b>1.2</b>	<b>22,350</b>	<b>39,130</b>	<b>61,480</b>						
47-2051	Cement Masons and Concrete Finishers	4,150	4,960	810	2.0	80	85	165	15.59	11.01	17.88	15.00	32,439	4
47-2061	Construction Laborers	12,515	13,380	865	0.7	85	165	255	14.47	9.40	17.00	13.48	30,095	4
47-2071	Paving, Surfacing, and Tamping Equipment Operators	1,150	1,315	165	1.4	15	15	35	16.96	11.70	19.60	16.17	35,282	4
47-2073	Operating Engineers and Other Construction Equipment Operators	4,040	4,430	390	1.0	40	105	145	17.73	13.14	20.02	17.27	36,885	4
47-2081	Drywall and Ceiling Tile Installers	1,210	1,335	125	1.0	15	25	40	18.53	12.04	21.78	18.41	38,547	4
47-2111	Electricians	6,720	7,900	1,180	1.8	120	135	250	20.46	13.69	23.85	20.11	42,560	3
47-2121	Glaziers	425	520	95	2.2	10	10	20	16.92	11.74	19.50	16.31	35,180	3
47-2141	Painters, Construction and Maintenance	3,970	4,420	450	1.1	45	60	105	16.37	11.14	18.99	16.23	34,050	4
47-2151	Pipelayers	1,015	1,110	95	0.9	10	25	35	16.20	11.47	18.56	15.60	33,691	4
47-2152	Plumbers, Pipefitters, and Steamfitters	5,780	6,790	1,015	1.8	100	135	235	21.60	12.98	25.91	21.50	44,922	3
47-2181	Roofers	2,155	2,470	320	1.5	30	50	80	13.86	9.90	15.84	13.19	28,825	4
47-2211	Sheet Metal Workers	2,550	2,960	410	1.6	40	60	100	18.92	10.87	22.93	17.58	39,337	3
47-2221	Structural Iron and Steel Workers	1,340	1,595	255	1.9	25	25	50	20.10	13.91	23.20	20.24	41,811	3
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	310	370	55	1.8	5	15	20	13.69	10.43	15.32	13.26	28,482	5
47-3012	Helpers--Carpenters	510	580	70	1.4	5	20	30	11.12	9.30	12.04	11.02	23,141	5
47-3013	Helpers--Electricians	855	925	70	0.8	5	35	45	12.10	9.26	13.51	11.43	25,154	5
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	530	630	95	1.8	10	20	30	10.76	7.17	12.55	11.05	22,381	5
47-4011	Construction and Building Inspectors	570	650	80	1.4	10	15	20	23.10	17.38	25.96	22.18	48,049	3
47-4031	Fence Erectors	905	1,065	160	1.8	15	15	30	12.30	10.04	13.43	11.87	25,581	4
47-4051	Highway Maintenance Workers	3,155	3,710	555	1.8	55	45	100	16.28	13.12	17.86	16.52	33,855	4
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	405	490	85	2.1	10	10	20	15.51	9.70	18.42	13.89	32,254	4
<b>49-0000</b>	<b>Installation, Maintenance, and Repair Occupations</b>	<b>62,435</b>	<b>70,315</b>	<b>7,880</b>	<b>1.3</b>	<b>805</b>	<b>1,430</b>	<b>2,235</b>						
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	4,305	4,880	580	1.3	60	110	165	25.30	16.95	29.48	24.62	52,631	3
49-2011	Computer, Automated Teller, and Office Machine Repairers	1,415	1,430	15	0.1	*	15	20	16.48	10.82	19.31	16.10	34,276	3
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	2,555	2,425	-130	-0.5	0	55	55	22.22	15.99	25.34	23.68	46,225	3
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	765	865	100	1.3	10	15	25	20.32	15.26	22.85	20.12	42,263	3
49-3021	Automotive Body and Related Repairers	1,700	1,885	185	1.1	20	35	55	15.50	9.87	18.32	14.62	32,244	3
49-3023	Automotive Service Technicians and Mechanics	9,860	11,545	1,685	1.7	170	260	430	15.70	9.82	18.63	15.19	32,644	3
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	3,790	4,470	680	1.8	70	100	165	16.49	11.98	18.74	16.25	34,297	3
49-3041	Farm Equipment Mechanics	780	855	75	1.0	10	15	25	14.99	10.96	17.00	15.07	31,176	3
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	1,400	1,525	125	0.9	10	30	45	19.03	14.71	21.19	18.99	39,573	3
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	455	540	85	1.9	10	10	20	13.01	8.66	15.17	12.83	27,039	4
49-3093	Tire Repairers and Changers	750	820	70	0.9	5	30	40	10.76	7.32	12.48	10.14	22,379	5
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,920	2,310	390	2.0	40	25	65	17.03	10.35	20.37	15.86	35,416	3
49-9041	Industrial Machinery Mechanics	3,680	4,025	345	0.9	35	75	110	17.94	13.72	20.05	17.51	37,315	3
49-9042	Maintenance and Repair Workers, General	14,670	17,050	2,380	1.6	240	280	520	15.55	10.26	18.20	15.39	32,346	4
49-9043	Maintenance Workers, Machinery	1,765	1,920	155	0.9	15	40	55	17.01	13.29	18.87	17.25	35,385	5
49-9044	Millwrights	820	900	80	1.0	10	20	30	19.32	12.65	22.66	18.71	40,189	3
49-9051	Electrical Power-Line Installers and Repairers	1,680	1,680	0	0.0	0	55	55	25.30	21.75	27.09	25.30	52,641	3
49-9052	Telecommunications Line Installers and Repairers	905	975	70	0.8	5	25	30	18.24	12.70	21.02	18.46	37,951	3
49-9062	Medical Equipment Repairers	490	560	70	1.4	5	15	20	23.90	14.27	28.71	24.05	49,705	3
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	530	630	100	1.9	10	15	25	15.86	11.49	18.05	14.30	32,993	4
49-9098	Helpers--Installation, Maintenance, and Repair Workers	870	1,040	165	1.9	15	30	45	13.10	8.36	15.47	12.14	27,250	5
49-9099	Installation, Maintenance, and Repair Workers, All Other	1,565	1,770	205	1.3	20	35	55	15.68	9.80	18.62	14.71	32,613	4
<b>51-0000</b>	<b>Production Occupations</b>	<b>172,830</b>	<b>186,470</b>	<b>13,640</b>	<b>0.8</b>	<b>1,590</b>	<b>4,175</b>	<b>5,765</b>						
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	11,340	12,255	915	0.8	90	240	330	22.93	15.43	26.68	21.86	47,693	3
51-2022	Electrical and Electronic Equipment Assemblers	1,340	1,310	-30	-0.2	0	30	30	12.08	8.48	13.88	11.31	25,120	5
51-2031	Engine and Other Machine Assemblers	1,215	1,410	195	1.6	20	35	55	16.59	13.32	18.22	16.55	34,512	5
51-2041	Structural Metal Fabricators and Fitters	1,425	1,605	180	1.3	20	35	50	14.49	11.05	16.23	14.72	30,160	4
51-2092	Team Assemblers	31,580	36,655	5,075	1.6	510	815	1,325	13.10	9.53	14.88	12.78	27,242	4
51-2099	Assemblers and Fabricators, All Other	2,585	2,780	190	0.7	20	65	85	13.30	8.98	15.46	12.37	27,672	4
51-3011	Bakers	1,445	1,675	225	1.6	25	35	55	10.43	7.65	11.82	10.02	21,681	3
51-3021	Butchers and Meat Cutters	3,340	3,575	235	0.7	25	75	95	11.53	8.45	13.07	11.08	23,980	3
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	2,575	2,965	390	1.5	40	55	95	11.40	9.45	12.37	10.99	23,704	5
51-3023	Slaughterers and Meat Packers	14,350	16,435	2,085	1.5	210	315	525	12.33	9.97	13.51	12.23	25,643	4
51-3092	Food Batchmakers	2,055	2,180	125	0.6	15	50	65	14.22	8.87	16.89	13.09	29,564	5
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	1,870	2,105	235	1.3	25	30	55	14.67	11.19	16.41	14.26	30,525	4
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	840	715	-130	-1.5	0	30	30	13.27	9.39	15.21	12.91	27,600	4

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SOC Code	Occupational Title	2004 Estimated Employment	2014 Projected Employment	2004-2014 Employment Change	Annual Growth Rate (%)	Annual New Jobs	Annual Replacements	Total Annual Openings	2006 Mean Hourly Wage	2006 Entry Wage	2006 Experienced Wage	2006 Median Wage	2006 Mean Annual Wage	Training/Education Level
	<b>Total, All Occupations</b>	<b>1,693,395</b>	<b>1,901,935</b>	<b>208,540</b>	<b>1.2</b>	<b>22,350</b>	<b>39,130</b>	<b>61,480</b>						
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	870	910	40	0.5	5	20	25	16.65	13.38	18.28	16.79	34,625	4
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	5,215	4,580	-635	-1.2	0	120	120	13.88	10.61	15.50	13.58	28,858	4
51-4041	Machinists	5,240	5,815	575	1.1	60	120	180	15.99	11.53	18.23	16.00	33,270	3
51-4071	Foundry Mold and Coremakers	670	680	15	0.2	*	15	20	14.69	10.12	16.98	13.11	30,560	4
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,895	1,810	-85	-0.4	0	45	45	12.71	9.34	14.40	12.41	26,434	4
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,625	1,790	170	1.0	15	45	60	14.01	11.11	15.46	13.71	29,144	4
51-4111	Tool and Die Makers	1,395	1,505	110	0.8	10	30	40	18.56	13.81	20.94	18.91	38,608	3
51-4121	Welders, Cutters, Solderers, and Brazers	7,505	8,450	950	1.3	95	210	305	14.75	11.18	16.53	14.26	30,668	3
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	1,340	1,520	180	1.3	20	40	55	15.75	12.11	17.57	15.60	32,744	4
51-4199	Metal Workers and Plastic Workers, All Other	1,005	880	-125	-1.2	0	25	25	13.19	9.08	15.25	12.77	27,426	4
51-5011	Bindery Workers	1,445	1,385	-60	-0.4	0	40	40	12.42	9.32	13.98	12.11	25,841	5
51-5021	Job Printers	1,200	1,210	10	0.1	*	30	30	16.10	10.82	18.73	16.54	33,476	3
51-5022	Prepress Technicians and Workers	1,175	1,105	-70	-0.6	0	30	30	15.69	10.48	18.29	15.02	32,631	3
51-5023	Printing Machine Operators	2,685	2,825	140	0.5	15	60	75	15.17	10.15	17.66	14.55	31,537	4
51-6011	Laundry and Dry-Cleaning Workers	3,020	3,430	410	1.4	40	80	125	9.40	7.21	10.48	9.36	19,542	4
51-6031	Sewing Machine Operators	1,950	1,700	-250	-1.3	0	25	25	10.58	7.27	12.24	10.32	22,017	4
51-7011	Cabinetmakers and Bench Carpenters	1,740	2,220	480	2.8	50	45	90	13.13	9.38	15.00	12.82	27,306	3
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	1,055	1,115	60	0.6	5	30	35	13.91	10.07	15.82	14.02	28,919	4
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	1,325	1,400	75	0.6	5	35	40	12.58	9.96	13.89	12.28	26,158	4
51-7099	Woodworkers, All Other	350	375	25	0.7	5	10	15	11.75	6.34	14.46	10.19	24,452	4
51-8031	Water and Liquid Waste Treatment Plant and System Operators	2,045	2,315	270	1.3	25	70	95	16.29	11.25	18.81	16.26	33,876	3
51-8091	Chemical Plant and System Operators	855	820	-35	-0.4	0	25	25	21.37	15.94	24.09	20.73	44,460	3
51-9011	Chemical Equipment Operators and Tenders	640	695	55	0.9	5	20	25	16.34	12.28	18.38	16.30	34,002	4
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	1,375	1,390	15	0.1	*	45	45	15.99	11.38	18.30	16.12	33,275	4
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	1,635	1,790	155	0.9	15	45	60	14.17	10.85	15.83	14.19	29,471	4
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	1,115	1,170	55	0.5	5	25	30	13.82	9.79	15.83	13.57	28,725	4
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	795	915	120	1.5	10	20	35	14.82	11.60	16.43	14.99	30,821	4
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	4,985	5,115	125	0.3	15	115	125	15.43	10.23	18.03	14.78	32,090	4
51-9111	Packaging and Filling Machine Operators and Tenders	5,560	5,525	-35	-0.1	0	110	110	13.49	9.37	15.54	12.09	28,050	5
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	1,530	1,655	125	0.8	15	40	55	13.74	9.77	15.74	13.13	28,592	4
51-9122	Painters, Transportation Equipment	575	670	95	1.7	10	15	25	14.07	9.65	16.28	13.25	29,267	3
51-9123	Painting, Coating, and Decorating Workers	420	495	75	1.8	10	10	20	12.69	9.32	14.38	12.57	26,404	5
51-9131	Photographic Process Workers	650	705	55	0.8	5	15	20	9.42	7.24	10.52	8.82	19,607	4
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	1,255	1,170	-85	-0.7	0	30	30	n.a.	n.a.	n.a.	n.a.	n.a.	4
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,310	1,425	115	0.9	10	30	40	15.06	10.98	17.11	15.12	31,333	4
51-9197	Tire Builders	1,745	1,500	-245	-1.4	0	40	40	n.a.	n.a.	n.a.	n.a.	n.a.	4
51-9198	Helpers--Production Workers	4,420	5,030	610	1.4	60	125	185	11.39	8.16	13.01	10.90	23,696	5
51-9199	Production Workers, All Other	6,855	7,130	280	0.4	30	165	190	14.03	8.90	16.60	13.81	29,195	4
<b>53-0000</b>	<b>Transportation and Material Moving Occupations</b>	<b>130,775</b>	<b>149,110</b>	<b>18,335</b>	<b>1.4</b>	<b>1,875</b>	<b>2,810</b>	<b>4,690</b>						
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	1,945	2,150	205	1.1	20	45	65	19.35	13.30	22.38	18.86	40,253	3
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	2,910	3,430	520	1.8	50	70	120	23.20	15.21	27.19	22.32	48,258	3
53-3021	Bus Drivers, Transit and Intercity	1,870	2,110	240	1.3	25	40	65	11.63	7.97	13.46	11.26	24,190	4
53-3022	Bus Drivers, School	5,135	5,935	795	1.5	80	110	190	12.13	6.32	15.04	12.27	25,235	5
53-3031	Driver/Sales Workers	4,290	4,880	585	1.4	60	70	130	13.03	6.67	16.21	12.39	27,098	5
53-3032	Truck Drivers, Heavy and Tractor-Trailer	40,030	47,810	7,780	1.9	780	655	1,430	15.77	10.73	18.28	15.30	32,790	4
53-3033	Truck Drivers, Light or Delivery Services	10,055	11,945	1,890	1.9	190	90	280	12.86	7.85	15.36	11.35	26,740	5
53-3041	Taxi Drivers and Chauffeurs	1,155	1,445	285	2.5	30	10	40	9.08	7.10	10.06	9.09	18,877	5
53-3099	Motor Vehicle Operators, All Other	765	945	175	2.3	20	10	30	10.42	6.33	12.47	8.65	21,682	5
53-4011	Locomotive Engineers	770	820	50	0.6	5	25	30	n.a.	n.a.	n.a.	n.a.	n.a.	4
53-4031	Railroad Conductors and Yardmasters	640	770	130	2.0	15	15	30	n.a.	n.a.	n.a.	n.a.	n.a.	4
53-6031	Service Station Attendants	710	765	50	0.7	5	30	35	8.46	6.71	9.35	8.09	17,615	5
53-7011	Conveyor Operators and Tenders	1,165	1,170	10	0.1	*	35	35	13.21	9.24	15.18	11.55	27,456	5
53-7021	Crane and Tower Operators	535	605	70	1.3	5	10	20	19.43	13.51	22.39	18.38	40,427	3
53-7032	Excavating and Loading Machine and Dragline Operators	1,130	1,260	130	1.2	15	30	45	16.14	11.12	18.66	15.59	33,588	4
53-7051	Industrial Truck and Tractor Operators	10,170	11,385	1,215	1.2	120	195	315	13.35	9.96	15.05	12.98	27,763	5
53-7061	Cleaners of Vehicles and Equipment	3,565	3,980	415	1.2	40	125	165	9.22	6.73	10.48	8.69	19,187	5
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	26,425	28,965	2,540	1.0	255	865	1,115	11.21	7.79	12.92	10.61	23,316	5
53-7063	Machine Feeders and Offbearers	1,690	1,505	-180	-1.1	0	45	45	12.11	9.46	13.43	12.19	25,185	5

IOWA WORKFORCE DEVELOPMENT STATE OF IOWA OCCUPATIONAL PROJECTIONS: 2004-2014, LISTED BY MAJOR OCCUPATIONAL GROUPS

SOC Code	Occupational Title	2004 Estimated Employment	A 2014 Projected Employment	2004-2014 Employment Change	Annual Growth Rate (%)	Annual New Jobs	Annual Replacements	Total Annual Openings	2006 Mean Hourly Wage	2006 Entry Wage	2006 Experienced Wage	2006 Median Wage	2006 Mean Annual Wage	Training/Education Level
	<b>Total, All Occupations</b>	<b>1,693,395</b>	<b>1,901,935</b>	<b>208,540</b>	<b>1.2</b>	<b>22,350</b>	<b>39,130</b>	<b>61,480</b>						
53-7064	Packers and Packagers, Hand	10,160	11,535	1,375	1.4	140	190	330	9.23	6.23	10.73	8.68	19,197	5
53-7081	Refuse and Recyclable Material Collectors	1,610	1,680	70	0.4	5	40	50	12.82	8.37	15.05	11.98	26,664	5
53-7199	Material Moving Workers, All Other	1,245	1,215	-30	-0.2	0	35	35	14.99	11.59	16.68	15.22	31,162	4
	* - indicates the value has been suppressed													
	n.a.- indicates wage data is not available													
	Note: Occupations will not equal totals due to suppression of occupations with less than twenty total annual openings.													
	Training/Education Level gives a general indication of the training or education typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.													
	1=Master's degree or above 2=Bachelor's degree or above 3=Postsecondary education/training 4=High school education or GED 5=Less than high school education or GED.													
	Source of wage data is the 2006 Iowa Wage Survey estimates.													
	Source of Iowa's Occupational Projections, Iowa Workforce Development, Workforce Data and Business Development Bureau													
	Source of the skills is O*NET (Occupational Information Network) <a href="http://online.onetcenter.org/">http://online.onetcenter.org/</a>													