

2008-2018 STATE OF IOWA 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	Educational Training Level**	Top Skills***
<b>00-0000</b>	<b>Total, All Occupations</b>	<b>1,762,260</b>	<b>1,934,875</b>	<b>172,615</b>	<b>1.0</b>	<b>18,370</b>	<b>39,270</b>	<b>57,640</b>										
<b>11-0000</b>	<b>Management Occupations</b>	<b>161,565</b>	<b>164,665</b>	<b>3,100</b>	<b>0.2</b>	<b>550</b>	<b>2,255</b>	<b>2,805</b>										
11-1011	Chief Executives	3,825	3,780	-40	-0.1	0	110	110	\$73.15	\$152,161	\$34.46	\$71,687	\$65.16	\$135,533	\$92.50	\$192,398	4	C1, SY1, B2, B3, B7, B9
11-1021	General and Operations Managers	10,350	10,380	30	0.0	5	300	305	49.00	101,913	24.78	51,538	40.72	84,701	61.10	127,101	4	B2, B7, B9, B3, B6
11-1031	Legislators	1,360	1,310	-50	-0.4	0	40	40	37.46	23,972	24.35	15,582	25.51	16,329	44.01	28,166	4	
11-2021	Marketing Managers	1,600	1,805	205	1.3	20	35	55	47.18	98,137	27.91	58,044	44.02	91,574	56.81	118,184	4	B2, B3, SO4, SO6, B9
11-2022	Sales Managers	2,300	2,685	385	1.7	40	50	90	45.74	95,143	24.04	49,996	40.71	84,681	56.59	117,717	4	B9, B2, SO6, SO4, SO1, B3, B6, SO5
11-2031	Public Relations Managers	500	560	60	1.2	5	10	20	37.68	78,372	22.89	47,622	34.81	72,400	45.07	93,747	4	B9, B2, B7, SO6, B10
11-3011	Administrative Services Managers	2,915	3,245	330	1.1	35	60	95	38.96	81,036	23.22	48,293	38.53	80,138	46.83	97,408	4	B9, B2, SO1, B7, R4, B10
11-3021	Computer and Information Systems Managers	2,225	2,635	410	1.8	40	35	75	50.65	105,337	34.57	71,911	49.15	102,237	58.67	122,049	4	B7, B2, B3, C1, B6, B10
11-3031	Financial Managers	5,535	6,035	500	0.9	50	100	150	47.85	99,537	26.85	55,861	43.86	91,237	58.36	121,375	4	C1, B3, B2, B7, SY1, B9, B10
11-3051	Industrial Production Managers	2,140	2,170	30	0.2	5	75	80	42.33	88,041	25.54	53,134	38.18	79,427	50.72	105,495	8	SO1, B3, B6, R3, R4
11-3071	Transportation, Storage, and Distribution Managers	1,160	1,100	-60	-0.5	0	30	30	35.71	74,287	22.85	47,537	33.06	68,772	42.14	87,661	8	B7, B9, B2, SO1, B3, R4
11-9011	Farm, Ranch, and Other Agricultural Managers	1,570	1,665	95	0.6	10	30	40	33.02	68,674	14.02	29,155	27.27	56,709	42.52	88,433	4	R3, B9, SO1, B6, B2, B3, SO2, SY1
11-9012	Farmers and Ranchers	88,390	86,255	-2,135	-0.2	0	540	540	26.08	54,252	19.68	40,938	26.92	56,000	29.29	60,909	9	T4, T5, SY1, B3, T1, B6, T8, T11
11-9021	Construction Managers	3,620	4,185	565	1.6	55	30	85	38.70	80,488	23.46	48,796	34.06	70,840	46.32	96,334	5	R4, B2, B3, R3, B9
11-9031	Education Administrators, Preschool and Child Care Center/Program	810	900	95	1.2	10	25	35	17.58	36,562	12.06	25,092	15.36	31,950	20.34	42,297	4	B2, B6, B9, SO1, B3, B7, SO6, R4
11-9032	Education Administrators, Elementary and Secondary School	2,520	2,720	200	0.8	20	75	95	41.09	85,463	28.93	60,172	40.37	83,971	47.17	98,108	4	B2, B7, B9, B3, B10
11-9033	Education Administrators, Postsecondary	2,090	2,125	35	0.2	5	65	65	40.65	84,549	22.12	46,000	32.88	68,394	49.92	103,825	4	B2, B3, B7, B9, SY1, B6, B10
11-9039	Education Administrators, All Other	635	800	165	2.6	15	20	35	40.71	84,669	26.24	54,582	41.14	85,573	47.93	99,713	4	
11-9041	Engineering Managers	1,225	1,290	65	0.5	5	25	30	52.09	108,356	38.18	79,412	51.15	106,395	59.05	122,828	4	B2, B7, B9, B10, C1, SO1, R3, B6, T6, R4
11-9051	Food Service Managers	2,925	3,130	205	0.7	20	55	80	21.95	45,641	13.63	28,357	19.55	40,649	26.10	54,284	8	SO5, SO1, B3, B9, R3, B6, SO6, R4
11-9081	Lodging Managers	1,240	1,310	65	0.5	5	25	35	19.48	40,506	13.93	28,973	17.94	37,311	22.25	46,273	8	B2, SO1, B3, R3, B9
11-9111	Medical and Health Services Managers	4,815	5,505	695	1.4	70	90	160	37.06	77,084	24.20	50,333	34.52	71,798	43.49	90,459	4	B7, B9, B2, B3, SY1
11-9141	Property, Real Estate, and Community Association Managers	1,590	1,730	140	0.9	15	25	40	24.35	50,654	12.80	26,631	19.90	41,408	30.12	62,666	5	B9, B2, SO3, SO1, B7
11-9151	Social and Community Service Managers	2,420	2,690	270	1.1	25	55	85	25.04	52,098	14.83	30,844	23.07	47,990	30.15	62,725	5	B2, B9, R4, SO1, B3, SY1, R3, SO6
11-9199	Managers, All Other	9,875	10,630	755	0.8	75	255	330	39.60	82,368	20.59	42,843	36.88	76,703	49.10	102,131	8	
<b>13-0000</b>	<b>Business and Financial Operations Occupations</b>	<b>69,430</b>	<b>81,635</b>	<b>12,200</b>	<b>1.8</b>	<b>1,225</b>	<b>1,400</b>	<b>2,630</b>										
13-1022	Wholesale and Retail Buyers, Except Farm Products	1,450	1,420	-35	-0.2	0	35	35	21.94	45,621	14.43	30,008	20.46	42,551	25.68	53,428	9	B2, SO3, SO4, B9, B3
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	2,750	3,210	460	1.7	45	70	120	24.76	51,491	16.81	34,977	23.96	49,832	28.72	59,748	9	B9, B2, B3, SY1, B6, SO3, B7
13-1031	Claims Adjusters, Examiners, and Investigators	3,980	4,575	595	1.5	60	100	160	25.94	53,943	17.63	36,655	25.20	52,400	30.09	62,586	9	B7, B10, B2, B3, B9
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	1,960	2,565	605	3.1	60	20	80	26.94	56,035	18.31	38,084	25.67	53,393	31.25	65,010	9	B1, B3, B9, C1, B7
13-1051	Cost Estimators	2,310	2,910	600	2.6	60	50	110	26.29	54,692	17.77	36,959	24.56	51,080	30.56	63,558	5	B5, B3, B9, B2, SY1
13-1071	Employment, Recruitment, and Placement Specialists	1,615	2,015	405	2.5	40	40	80	22.36	46,501	14.64	30,440	22.34	46,462	26.22	54,532	5	B2, B7, B9, SO6, B10
13-1072	Compensation, Benefits, and Job Analysis Specialists	1,525	1,905	380	2.5	40	40	80	23.21	48,274	15.26	31,749	22.27	46,326	27.18	56,537	5	B2, B3, B7, B9, C1, SY2, B10
13-1073	Training and Development Specialists	2,470	3,110	640	2.6	65	65	130	23.29	48,429	14.70	30,588	22.09	45,951	27.57	57,349	5	B9, SO2, B4, B7, B2
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	3,680	4,405	725	2.0	70	95	170	24.60	51,152	15.31	31,847	23.76	49,431	29.23	60,805	5	
13-1081	Logisticians	460	555	95	2.1	10	10	20	29.50	61,374	21.02	43,728	28.18	58,624	33.75	70,195	5	B3, B2, C1, B6, B7
13-1111	Management Analysts	5,515	6,365	855	1.6	85	95	180	33.60	69,881	22.30	46,388	31.88	66,317	39.25	81,627	4	B2, B7, B9, B3, C1
13-1121	Meeting and Convention Planners	515	585	70	1.4	5	10	20	21.03	43,748	15.06	31,326	18.78	39,043	24.02	49,959	5	B2, B9, B3, B7, R4
13-1199	Business Operations Specialists, All Other	12,420	13,840	1,420	1.1	140	275	420	26.46	55,028	15.16	31,533	24.78	51,533	32.11	66,775	5	
13-2011	Accountants and Auditors	11,640	14,270	2,630	2.3	265	195	460	29.72	61,813	19.02	39,553	26.27	54,644	35.07	72,942	5	B2, B5, B7, B10, B9
13-2021	Appraisers and Assessors of Real Estate	1,545	1,595	50	0.3	5	30	35	26.54	55,202	15.90	33,070	23.52	48,920	31.86	66,267	6	B2, B3, B9, B7, SO6
13-2041	Credit Analysts	660	820	160	2.4	15	10	30	29.39	61,131	18.98	39,481	25.99	54,050	34.59	71,955	5	B3, B1, B2, SY1, B7, B9
13-2051	Financial Analysts	1,975	2,350	375	1.9	40	35	75	33.35	69,385	22.28	46,344	30.76	63,986	38.89	80,905	5	B3, B7, B10, B2, C1
13-2052	Personal Financial Advisors	1,450	2,000	545	3.8	55	15	70	32.34	67,260	16.38	34,056	26.26	54,637	40.31	83,863	5	B3, B9, B7, SY1, B10
13-2053	Insurance Underwriters	1,830	1,950	120	0.7	10	55	65	28.06	58,375	18.65	38,793	26.98	56,133	32.78	68,167	5	B2, SY1, B7, B3, B9
13-2061	Financial Examiners	500	720	220	4.4	20	10	30	35.85	74,576	21.58	44,883	32.64	67,895	43.00	89,423	5	B3, B7, B9, B1, B2, SO2, SY1, R4, B10
13-2072	Loan Officers	5,335	6,345	1,010	1.9	100	60	160	28.94	60,180	18.62	38,727	27.37	56,938	34.09	70,906	10	B9, B2, SY1, B7, B3
13-2099	Financial Specialists, All Other	890	1,010	120	1.3	10	15	30	24.70	51,383	14.81	30,804	23.18	48,221	29.65	61,673	5	
<b>15-0000</b>	<b>Computer and Mathematical Occupations</b>	<b>30,365</b>	<b>36,840</b>	<b>6,470</b>	<b>2.1</b>	<b>660</b>	<b>575</b>	<b>1,235</b>										
15-1021	Computer Programmers	3,900	3,760	-135	-0.3	0	75	75	31.58	65,689	20.35	42,329	30.74	63,942	37.20	77,370	5	T7, B7, C1, B3, B2, T8
15-1031	Computer Software Engineers, Applications	3,470	4,665	1,190	3.4	120	30	150	34.75	72,289	24.80	51,577	33.73	70,159	39.73	82,646	5	C1, T7, SY2, SY1, SY3
15-1032	Computer Software Engineers, Systems Software	2,725	3,580	855	3.1	85	25	110	35.70	74,259	24.14	50,205	35.68	74,223	41.48	86,286	5	B3, B2, T7, B7, C1
15-1041	Computer Support Specialists	4,995	5,710	715	1.4	70	140	210	21.45	44,626	14.51	30,180	19.99	41,568	24.92	51,848	6	B2, B9, B7, B3, B10
15-1051	Computer Systems Analysts	5,230	6,400	1,170	2.2	115	115	230	34.76	72,306	24.34	50,634	34.13	70,988	39.97	83,142	5	B3, B2, B7, B9, SY2
15-1061	Database Administrators	735	870	135	1.8	15	10	25	34.87									

2008-2018 STATE OF IOWA OCCUPATIONAL PROJECTIONS, LISTED BY MAJOR OCCUPATIONAL GROUPS WITH WAGES AND TOP SKILLS

Standard Occupational Classification (SOC)	Occupational Title	2008-2018 Projections										2011 Median Wage		2011 Experienced Wage		Education/Training Level**	Top Skills***	
		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 Experienced Wage	2011 Experienced Annual Salary				
19-2031	Chemists	485	525	40	0.8	5	15	20	32.08	66,724	21,57	44,878	29.71	61,784	37.33	77,647	5	B8, B7, B2, B3, C1, B9
19-2041	Environmental Scientists and Specialists, Including Health	860	1,040	180	2.1	20	25	40	30.85	64,166	20.02	41,646	29.73	61,840	36.26	75,425	3	B8, B3, B7, B9, B2, B3
19-3021	Market Research Analysts	2,575	3,185	605	2.3	60	70	130	23.77	49,450	14.49	30,145	21.37	44,446	28.42	59,103	5	B7, B2, C1, B3, SY1, B9, B10
19-3031	Clinical, Counseling, and School Psychologists	1,345	1,450	105	0.8	10	40	50	32.38	67,365	20.28	42,189	30.37	63,161	38.44	79,952	2	B2, B7, SO6, B9, B10
19-4011	Agricultural and Food Science Technicians	1,180	1,315	135	1.1	15	40	55	15.29	31,794	10.25	21,315	14.56	30,294	17.81	37,034	6	B7, B3, B10, B2, C1, SO1, B9
19-4021	Biological Technicians	680	765	85	1.3	10	25	35	20.15	41,903	13.32	27,703	19.99	41,576	23.56	49,004	5	B7, B2, B3, B8, C1
19-4091	Environmental Science and Protection Technicians, Including Health	465	535	70	1.5	5	20	25	23.94	49,778	16.27	33,846	24.13	50,199	27.76	57,745	6	B7, B2, C1, B9, B10
19-4093	Forest and Conservation Technicians	495	515	20	0.4	*	*	25	18.74	38,963	12.65	26,309	19.62	40,806	21.78	45,290	6	B3, B2, B7, SY1, B9
19-4099	Life, Physical, and Social Science Technicians, All Other	350	390	45	1.3	5	15	20	20.87	43,406	14.16	29,450	20.39	42,413	24.22	50,384	6	
<b>21-0000</b>	<b>Community and Social Services Occupations</b>	<b>24,980</b>	<b>28,715</b>	<b>3,730</b>	<b>1.5</b>	<b>375</b>	<b>550</b>	<b>925</b>										
21-1011	Substance Abuse and Behavioral Disorder Counselors	1,340	1,580	240	1.8	25	25	50	20.06	41,723	13.58	28,239	18.44	38,348	23.30	48,465	5	B2, SO6, B3, B9, B6, SO5
21-1012	Educational, Vocational, and School Counselors	2,585	2,905	315	1.2	30	50	85	22.81	47,429	15.88	33,029	22.08	45,943	26.27	54,629	3	B2, B9, B7, SO6, B3, B10
21-1014	Mental Health Counselors	760	950	190	2.5	20	15	35	17.75	36,909	11.48	23,874	16.83	35,012	20.88	43,426	3	B2, SO6, SO5, B9, B6
21-1015	Rehabilitation Counselors	2,460	2,890	430	1.7	45	50	95	14.81	30,800	10.11	21,029	13.18	27,419	17.16	35,685	3	B2, B9, SO6, SO1, B6
21-1021	Child, Family, and School Social Workers	3,935	4,290	355	0.9	35	100	135	19.10	39,729	11.64	24,211	18.11	37,674	22.83	47,488	5	B2, B9, B7, SO6, B3, B6, SO5
21-1022	Medical and Public Health Social Workers	1,625	1,995	365	2.2	35	40	80	21.51	44,751	16.30	33,905	20.92	43,520	24.12	50,174	5	B2, SO6, B9, SO5, B7
21-1023	Mental Health and Substance Abuse Social Workers	1,665	2,000	335	2.0	35	40	75	17.89	37,207	12.22	25,418	17.06	35,472	20.72	43,102	3	SO6, B2, B9, SO5, B3, B7
21-1029	Social Workers, All Other	720	825	110	1.5	10	20	30	21.73	45,203	13.89	28,883	20.20	42,017	25.66	53,362	5	
21-1091	Health Educators	430	545	110	2.6	10	10	20	25.50	53,055	16.85	35,063	25.44	52,911	29.83	62,051	5	B9, B2, B10, B7, B3
21-1092	Probation Officers and Correctional Treatment Specialists	520	600	80	1.5	10	10	20	29.47	61,304	23.25	48,366	30.65	63,747	32.59	67,773	5	SO6, B9, B2, B3, B6
21-1093	Social and Human Service Assistants	5,045	5,650	610	1.2	60	105	170	13.64	28,358	8.44	17,548	13.17	27,385	16.23	33,763	10	SO5, SO6, B2, B9, B7, B10
21-1099	Community and Social Service Specialists, All Other	2,640	3,065	430	1.6	45	55	100	16.41	34,152	11.22	23,340	15.47	32,179	19.02	39,558	5	
<b>23-0000</b>	<b>Legal Occupations</b>	<b>8,710</b>	<b>9,920</b>	<b>1,210</b>	<b>1.4</b>	<b>125</b>	<b>140</b>	<b>265</b>										
23-1011	Lawyers	4,340	4,910	570	1.3	55	80	140	50.86	105,798	26.89	55,929	42.54	88,470	62.85	130,733	1	B2, B9, B3, B7, C1, SY1, B10
23-2011	Paralegals and Legal Assistants	1,610	2,090	480	3.0	50	20	40	20.74	43,146	14.46	30,085	19.89	41,356	23.88	49,676	6	B7, B2, B9, B10, B3
23-2093	Title Examiners, Abstractors, and Searchers	725	795	70	1.0	5	10	20	14.33	29,797	8.48	17,630	13.26	27,584	17.25	35,881	10	B9, B2, B3, B7, R4
<b>25-0000</b>	<b>Education, Training, and Library Occupations</b>	<b>108,195</b>	<b>122,420</b>	<b>14,225</b>	<b>1.3</b>	<b>1,420</b>	<b>2,425</b>	<b>3,850</b>										
25-1011	Business Teachers, Postsecondary	1,030	1,175	150	1.5	15	20	35	39.49	82,149	17.64	36,691	29.80	61,975	50.42	104,878	2	B9, B7, B10, SO2, B2, B3, B4
25-1022	Mathematical Science Teachers, Postsecondary	590	675	85	1.4	10	10	20	40.18	83,570	24.89	51,771	40.30	83,823	47.82	99,469	2	B9, B7, B2, B3, C1, B5, B10
25-1042	Biological Science Teachers, Postsecondary	735	845	105	1.4	10	15	25	39.63	82,440	22.98	47,805	37.18	77,336	47.96	99,758	2	B9, SO2, B7, B10, B3
25-1071	Health Specialties Teachers, Postsecondary	1,735	1,985	250	1.4	25	30	55	63.19	131,444	29.30	60,943	54.86	114,111	80.14	166,695	2	B7, B9, SO2, B3, B2, C1, B4, B10
25-1072	Nursing Instructors and Teachers, Postsecondary	705	805	95	1.3	10	10	20	27.91	58,062	18.57	38,630	26.57	55,266	32.59	67,779	2	B9, B7, B1, B2, SO2
25-1081	Education Teachers, Postsecondary	795	910	115	1.4	10	15	25	32.55	67,703	19.73	41,039	31.22	64,946	38.96	81,035	2	B9, B7, B2, B10, SO2, B6
25-1121	Art, Drama, and Music Teachers, Postsecondary	925	1,060	135	1.5	15	15	30	29.75	61,872	19.84	41,267	29.71	61,799	34.70	72,174	2	SO2, B9, B4, B7, B2, B3, B6, B10
25-1123	English Language and Literature Teachers, Postsecondary	795	910	115	1.4	10	15	25	32.57	67,741	20.46	42,561	30.99	64,455	38.62	80,332	2	B7, B9, SO2, B10, B2
25-1194	Vocational Education Teachers, Postsecondary	925	1,060	135	1.5	15	15	30	22.83	47,475	14.15	29,424	21.62	44,969	27.16	56,500	2	SO2, B4, B2, B3, B6
25-1199	Postsecondary Teachers, All Other	3,975	4,550	575	1.4	55	70	125	23.89	49,691	15.88	33,032	23.37	48,618	27.89	58,020	2	
25-2011	Preschool Teachers, Except Special Education	3,980	4,710	725	1.8	75	80	155	13.67	28,425	8.40	17,469	11.36	23,624	16.30	33,903	7	B9, B4, SO2, B2, SO1, SO6
25-2012	Kindergarten Teachers, Except Special Education	1,775	2,030	260	1.5	25	35	60	21.09	43,857	14.56	30,277	20.11	41,833	24.35	50,647	5	SO2, B2, SO6, B9, SO1, B4, B6
25-2021	Elementary School Teachers, Except Special Education	21,705	24,975	3,270	1.5	325	495	820	21.55	44,819	14.71	30,598	21.09	43,876	24.97	51,929	5	SO2, B9, B4, B2, B1, B6, SO6
25-2022	Middle School Teachers, Except Special and Vocational Education	10,805	12,380	1,575	1.5	160	245	405	22.37	46,537	15.36	31,940	21.31	44,319	25.88	53,835	5	SO2, B2, B7, B4, SO6, B10
25-2031	Secondary School Teachers, Except Special and Vocational Education	13,875	15,010	1,135	0.8	115	405	515	21.57	44,862	15.05	31,300	20.73	43,110	24.83	51,642	5	SO2, B4, B9, B2, SO1, B3
25-2032	Vocational Education Teachers, Secondary School	1,210	1,315	110	0.9	10	35	45	20.36	42,350	14.31	29,764	20.32	42,259	23.39	48,644	4	SO2, B2, B7, B9, B10
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	2,925	3,445	520	1.8	50	75	130	21.95	45,650	15.56	32,364	21.01	43,703	25.14	52,292	5	SO2, B4, SO6, B9, B2
25-2042	Special Education Teachers, Middle School	1,705	2,000	295	1.7	30	45	75	21.52	44,757	15.70	32,648	21.14	43,961	24.43	50,812	5	SO2, B2, B9, B7, SO1, B3, B6, SO6, R4
25-2043	Special Education Teachers, Secondary School	1,925	2,160	235	1.2	25	50	75	21.35	44,400	15.33	31,892	21.06	43,810	24.35	50,653	5	SO2, B4, B2, B6, SO5, B9
25-3021	Self-Enrichment Education Teachers	1,830	2,365	535	2.9	55	30	80	17.43	36,264	9.79	20,364	16.71	34,761	21.26	44,214	8	B2, SO6, B9, B3, SO2, B4
25-3099	Teachers and Instructors, All Other	6,185	7,035	850	1.4	85	95	180	14.70	30,576	11.31	23,535	13.55	28,178	16.39	34,097	5	
25-4021	Librarians	1,500	1,580	80	0.5	10	40	45	24.08	50,076	15.19	31,601	24.18	50,302	28.52	59,314	3	B7, B2, B9, B10, B6
25-4031	Library Technicians	1,910	2,005	95	0.5	10	85	95	12.80	26,636	8.52	17,713	11.67	24,273	14.95	31,098	7	B6, B9, B2, SO5, B3, SO6
25-9031	Instructional Coordinators	1,270	1,500	230	1.8	25	30	50	30.96	64,389	22.02	45,798	31.17	64,825	35.43	73,684	3	B7, B9, B4, B10, B1, B2, B6
25-9041	Teacher Assistants	15,395	16,835	1,445	0.9	145	325	470	10.33	21,477	8.25	17,169	10.01	20,827	11.36	23,631	11	B2, B9, SO1, B6, SO5, SO6
25-9099	Education, Training, and Library Workers, All Other	965	1,115	150	1.6	15	20	35	19.18	39,894	12.79	26,603	17.79	37,009	22.38	46,539	5	
<b>27-0000</b>	<b>Arts, Design, Entertainment, Sports, and Media Occupations</b>	<b>28,790</b>	<b>32,355</b>	<b>3,565</b>	<b>1.2</b>	<b>370</b>	<b>715</b>	<b>1,085</b>										
27-1021	Commercial and Industrial Designers	520	540	20	0.4	*	45	20	25.11	52,218	16.50	34,313	23.85	49,620	29.41	61,170	5	B2, B3, B7, B9, C1
27-1023	Floral Designers	1,395	1,360	-35	-0.3	0	45	45	11.22	23,352	8.50	17,678	11.02	22,915	12.59	26,189	11	B2, B9, R4, SO5, B3, SY1, SO6
27-1024	Graphic Designers	3,105																



2008-2018 STATE OF IOWA 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 Net w 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	Educational Training Level**	Top Skills***
39-9099	Personal Care and Service Workers, All Other	765	905	135	1.8	15	15	30	9.24	19,222	7.90	16,441	8.36	17,383	9.91	20,613	11	
<b>41-0000</b>	<b>Sales and Related Occupations</b>	<b>182,310</b>	<b>193,870</b>	<b>11,560</b>	<b>0.6</b>	<b>1,260</b>	<b>5,420</b>	<b>6,680</b>										
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	21,360	22,485	1,130	0.5	115	460	570	18.24	37,944	11.31	23,509	16.30	33,889	21.72	45,161	8	B2, SO1, B3, B6, B6, SO5, B9
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	5,075	5,370	295	0.6	30	105	135	33.09	68,842	18.38	38,225	29.64	61,637	40.45	84,151	8	B9, SO1, R3, SO6, B2, B3, SY1, B6, R4
41-2011	Cashiers	42,960	44,740	1,780	0.4	180	1,930	2,105	9.00	18,714	8.12	16,897	8.71	18,130	9.43	19,623	11	B2, SO5, B9, B5, SO6
41-2012	Gaming Change Persons and Booth Cashiers	555	490	-65	-1.2	0	25	25	12.18	25,326	9.50	19,753	11.44	23,788	13.51	28,113	11	B2, B9, B3, B6, SO6
41-2021	Counter and Rental Clerks	4,020	4,210	190	0.5	20	105	125	11.35	23,593	8.01	16,665	9.54	19,836	13.00	27,057	11	B2, SO6, B9, B7, SO6
41-2022	Parts Salespersons	3,775	3,910	135	0.4	15	135	145	16.04	33,365	10.53	21,908	15.45	32,135	18.80	39,094	10	B2, B9, SO5, B7, SO6
41-2031	Retail Salespersons	49,570	53,650	4,080	0.8	410	1,385	1,790	12.36	25,704	8.27	17,202	9.71	20,199	14.41	29,955	11	B2, SO4, B9, SO6, SO3, SO6
41-3011	Advertising Sales Agents	2,055	2,205	145	0.7	15	40	55	22.98	47,784	11.07	23,032	17.48	36,342	28.92	60,161	10	SO6, SO4, B2, B9, SO5
41-3021	Insurance Sales Agents	6,385	7,720	1,335	2.1	135	150	280	24.77	51,517	12.60	26,196	18.96	39,428	30.86	64,177	7	B2, B7, B9, B10, B3, SO4, R4
41-3031	Securities, Commodities, and Financial Services Sales Agents	3,615	4,280	660	1.8	65	110	175	30.37	63,174	13.28	27,615	22.36	46,499	38.92	80,953	5	B9, B2, B3, SO4, B7, SY2
41-3099	Sales Representatives, Services, All Other	5,410	6,195	785	1.5	80	135	215	24.52	51,003	12.67	26,345	20.87	43,406	30.45	63,333	8	
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	4,815	5,235	420	0.9	40	110	155	41.71	86,761	19.02	39,575	34.63	72,028	53.06	110,354	8	B9, SO4, B2, SO6, SO3, B7, SO5
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	17,650	18,755	1,105	0.6	110	410	520	27.58	57,367	14.50	30,160	23.27	48,400	34.12	70,971	8	B9, B2, SO4, SO6, B3, SO3
41-9011	Demonstrators and Product Promoters	925	945	20	0.2	*	30	30	9.79	20,367	8.42	17,506	9.20	19,130	10.48	21,797	10	B2, B9, SO4, B3, B6, B7
41-9021	Real Estate Brokers	1,015	1,125	110	1.1	10	15	30	35.65	74,165	19.20	39,946	31.03	64,533	43.88	91,274	8	B9, B2, B3, B7, SY1, SO4, SO6
41-9022	Real Estate Sales Agents	1,370	1,600	230	1.7	25	20	45	17.78	36,995	10.51	21,859	15.36	31,961	21.42	44,564	7	B2, SO3, SO4, B9, SO1, SO6
41-9041	Telemarketers	6,055	5,570	-480	-0.8	0	150	150	10.92	22,703	8.20	17,066	9.38	19,511	12.27	25,521	11	B9, SO4, B2, SO5, SO6
41-9099	Sales and Related Workers, All Other	1,445	1,545	105	0.7	10	30	40	19.58	40,732	9.91	20,609	16.26	33,806	24.42	50,793	10	
<b>43-0000</b>	<b>Office and Administrative Support Occupations</b>	<b>243,955</b>	<b>266,520</b>	<b>22,565</b>	<b>0.9</b>	<b>2,615</b>	<b>5,055</b>	<b>7,670</b>										
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	10,185	11,450	1,265	1.2	125	230	355	23.14	48,139	14.78	30,741	21.57	44,869	27.32	56,837	8	B2, B9, SO1, SO6, B3, R3
43-2011	Switchboard Operators, Including Answering Service	1,390	1,265	-130	-0.9	0	30	30	11.96	24,885	9.47	19,703	11.59	24,105	13.21	27,477	11	B2, B9, SO6, SO1, B3, SO5
43-3011	Bill and Account Collectors	3,700	4,395	695	1.9	70	70	140	14.54	30,250	10.75	22,355	13.76	28,632	16.45	34,197	11	B2, B9, SO6, SO4, B3, SO3, B7
43-3021	Billing and Posting Clerks and Machine Operators	5,370	6,090	720	1.3	70	90	160	15.70	32,664	12.06	25,092	15.03	31,253	17.53	36,451	11	B2, B7, R4, B3, B9
43-3031	Bookkeeping, Accounting, and Auditing Clerks	25,290	28,000	2,710	1.1	270	305	575	15.28	31,795	10.42	21,679	14.76	30,708	17.72	36,853	10	B2, B7, B9, B3, B5, B6, R4, B10
43-3051	Payroll and Timekeeping Clerks	1,390	1,285	-110	-0.8	0	35	35	17.10	35,573	12.87	26,753	16.73	34,807	19.22	39,982	10	B2, B7, B9, R4, B6, B10
43-3061	Procurement Clerks	560	600	45	0.8	5	15	20	16.92	35,195	12.60	26,219	16.50	34,315	19.08	39,683	10	B7, B9, B3, B10, B2, SY1
43-3071	Tellers	8,165	9,490	1,320	1.6	130	335	470	11.95	24,859	9.85	20,479	11.65	24,230	13.01	27,049	11	B2, B9, B3, B5, B7, SO5
43-4031	Court, Municipal, and License Clerks	1,235	1,260	20	0.2	*	35	35	16.61	34,545	11.85	24,637	16.53	34,381	18.99	39,499	11	B2, B9, B7, B10, R4
43-4041	Credit Authorizers, Checkers, and Clerks	475	580	100	2.1	10	15	25	15.58	32,394	12.49	25,969	14.68	30,535	17.12	35,606	11	B2, B9, B7, B3, SY1, B10
43-4051	Customer Service Representatives	25,170	31,200	6,030	2.4	605	790	1,395	14.15	29,443	9.30	19,341	13.48	28,045	16.59	34,494	10	B2, B9, SO5, SO4, B7
43-4061	Eligibility Interviewers, Government Programs	995	1,010	15	0.2	*	25	24	14.43	44,567	15.99	33,254	21.49	44,713	24.14	50,223	10	B9, B2, B7, B3, SO6
43-4071	File Clerks	1,595	1,225	-370	-2.3	0	40	40	10.59	22,031	8.14	16,928	9.82	20,427	11.82	24,583	11	B7, B2, B9, B3, R4, B10
43-4081	Hotel, Motel, and Resort Desk Clerks	3,125	3,535	410	1.3	40	105	145	9.16	19,034	8.28	17,227	8.95	18,625	9.58	19,937	11	SO6, SO5, B9, B2, SO1
43-4111	Interviewers, Except Eligibility and Loan	1,545	1,795	250	1.6	25	35	60	13.01	27,065	9.48	19,724	12.73	26,487	14.77	30,736	11	B2, B9, B7, SO5, SO6
43-4121	Library Assistants, Clerical	1,890	2,015	125	0.7	10	80	90	11.78	24,489	8.35	17,376	10.32	21,456	13.49	28,046	11	SO5, B2, B7, SO1, B9
43-4131	Loan Interviewers and Clerks	3,370	3,765	395	1.2	40	85	120	15.82	32,906	12.75	26,531	15.65	32,556	17.35	36,092	11	B2, B9, B7, B3, SO6, B10
43-4141	New Accounts Clerks	675	735	60	0.9	5	20	25	16.23	33,755	12.10	25,175	14.88	30,945	18.29	38,044	8	B9, B2, SO6, B6, SO5
43-4151	Order Clerks	2,630	1,965	-665	-2.5	0	75	75	14.86	30,913	10.28	21,381	13.96	29,029	17.16	35,681	11	B2, B9, B7, SO5, SO6
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	1,300	1,210	-90	-0.7	0	35	35	17.81	37,046	12.97	26,971	17.51	36,418	20.23	42,083	11	B7, B2, B9, B10, B3
43-4171	Receptionists and Information Clerks	10,910	12,375	1,465	1.3	145	295	440	12.44	25,880	9.40	19,546	12.09	25,160	13.97	29,048	11	B9, B2, SO5, B7, SO1, SO6
43-4199	Information and Record Clerks, All Other	1,240	1,100	-140	-1.1	0	35	35	17.38	36,166	12.37	25,729	17.31	36,013	19.89	41,384	11	
43-5021	Couriers and Messengers	1,065	1,105	40	0.4	5	25	30	11.12	23,136	8.53	17,746	10.38	21,583	12.42	25,832	11	B2, B3, SO3, R4
43-5031	Police, Fire, and Ambulance Dispatchers	890	1,010	120	1.3	10	20	30	17.89	37,210	13.24	27,546	17.66	36,731	20.22	42,043	10	B2, B9, SO1, B3, SO5, SO6
43-5032	Dispatchers, Except Police, Fire, and Ambulance	1,770	1,720	-50	-0.3	0	35	35	17.34	36,075	11.82	24,584	16.43	34,175	20.11	41,820	10	B2, B9, SO1, B7, R4
43-5052	Postal Service Mail Carriers	4,100	4,075	-25	-0.1	0	130	130	24.16	50,260	19.31	40,156	25.93	53,935	26.59	55,312	11	B2, B3, SO5, SO6, R4
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	2,285	1,600	-685	-3.0	0	20	20	21.64	45,029	13.47	28,006	25.22	52,461	25.74	53,540	11	B2, B6, B7, B9, B3
43-5061	Production, Planning, and Expediting Clerks	3,150	3,450	295	0.9	30	80	110	21.40	44,506	14.59	30,343	21.82	45,385	24.81	51,587	10	B7, B2, B3, B9, R4
43-5071	Shipping, Receiving, and Traffic Clerks	6,870	6,590	-280	-0.4	0	170	170	14.62	30,419	10.44	21,719	14.07	29,273	16.72	34,768	11	B7, B2, SY1, B6, R4
43-5081	Stock Clerks and Order Fillers	19,960	21,320	1,360	0.7	135	460	595	11.25	23,380	8.32	17,312	10.11	21,039	12.70	26,414	11	B9, B2, SO5, SO6, SO1, R4
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	760	655	-105	-1.4	0	25	25	14.46	30,077	10.92	22,714	13.75	28,611	16.23	33,759	11	B3, B7, B9, B10, B2, SO1, SO6
43-6011	Executive Secretaries and Administrative Assistants	13,725	15,400	1,670	1.2	165	185	350	19.61	40,789	13.88	28,857	18.71	38,910	22.48	46,754	8	B2, B7, B9, SO5, B10
43-6012	Legal Secretaries	2,625	3,140	520	2.0	50	35	85	16.61	34,554	12.30	25,574	15.83	32,934	18.77	39,044	6	B10, B7, B2, B9, B3
43-6013	Medical Secretaries	3,985	4,940	950	2.4	95	55	150	14.18	29,491	10.74	22,338	13.98	29,064	15.89	33,068	10	B2, SO5, B9, B7, SO1, B10
43-6014	Secretaries, Except Legal, Medical, and Executive	20,370	21,195	825	0.4	85	275	355	14.06	29,235	9							

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47-2141	Painters, Construction and Maintenance	3,650	3,925	280	0.8	30	60	90	17.40	36,188	11.44	23,801	16.53	34,375	20.37	42,381	10	B2, B3, S06, B7, R4
47-2151	Pipelayers	775	885	110	1.4	10	15	25	22.11	45,994	13.94	29,007	20.58	42,793	26.19	54,488	11	T5, B2, T4, B3, T8
47-2152	Plumbers, Pipefitters, and Steamfitters	6,220	7,180	955	1.5	95	125	220	23.30	48,467	15.05	31,309	21.87	45,489	27.42	57,046	9	S01, R4, B3, T5, B2, SY1, B6, B9
47-2181	Roofers	1,540	1,610	75	0.5	5	25	30	15.58	32,395	10.65	22,152	14.37	29,893	18.04	37,516	10	S01, T4, B2, B3, R4
47-2211	Sheet Metal Workers	1,890	2,060	170	0.9	15	45	60	21.34	44,378	14.38	29,916	21.10	43,898	24.82	51,610	9	B3, SY1, R4, B5, B2, S01, B6, B7, B9
47-2221	Structural Iron and Steel Workers	995	1,125	130	1.3	15	15	30	22.97	47,786	16.21	33,704	21.99	45,728	26.36	54,827	9	T4, T5, S01, B3, SY1, B6, R4
47-3012	Helpers--Carpenters	640	770	130	2.0	15	15	25	12.69	26,384	9.09	18,900	11.70	24,346	14.48	30,127	11	B2, S01, B3, B6, S06
47-3013	Helpers--Electricians	550	700	150	2.7	15	10	25	13.89	28,907	11.45	23,813	13.95	29,018	15.12	31,454	11	B2, S01, T1, B9, T9
47-3015	Helpers--Pipefitters, Plumbers, Pipefitters, and Steamfitters	450	560	115	2.6	10	10	20	13.08	27,217	10.17	21,155	12.42	25,835	14.54	30,249	11	S01, T9, B9, B2, B6
47-4011	Construction and Building Inspectors	725	805	75	1.0	10	15	25	23.45	48,769	15.79	32,835	24.09	50,101	27.28	56,736	8	B2, B7, C1, B3, SY1, B9
47-4051	Highway Maintenance Workers	3,530	3,635	105	0.3	10	95	105	18.40	38,258	14.93	31,042	18.38	38,227	20.13	41,866	10	T4, T5, B2, T1, B6, B9, T11
47-4099	Construction and Related Workers, All Other	430	500	70	1.6	5	15	20	21.41	44,521	12.18	25,342	18.95	39,428	26.01	54,110	10	
<b>49-0000</b>	<b>Installation, Maintenance, and Repair Occupations</b>	<b>69,420</b>	<b>75,405</b>	<b>5,985</b>	<b>0.9</b>	<b>620</b>	<b>1,350</b>	<b>1,970</b>										
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	4,265	4,465	195	0.5	20	110	130	27.29	56,763	18.46	38,409	26.33	54,754	31.70	65,940	8	R3, B6, S01, B3, R4
49-2011	Computer, Automated Teller, and Office Machine Repairers	2,115	1,995	-120	-0.6	0	35	35	18.38	38,233	12.80	26,635	18.21	37,867	21.16	44,032	7	T5, B3, T4, T8, B2
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	2,345	2,385	40	0.2	5	40	45	23.39	48,642	15.20	31,620	25.12	52,250	27.47	57,153	7	T5, T8, T11, B2, C1, B3, T1, T9
49-2092	Electric Motor, Power Tool, and Related Repairers	535	560	25	0.5	5	20	20	17.02	35,410	10.75	22,366	17.53	36,463	20.16	41,931	7	T9, T11, T8, C1, B3, T1, T2
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	780	895	115	1.5	10	15	25	26.95	56,045	18.81	39,125	27.36	56,910	31.01	64,504	7	T9, T8, T5, T11, B3, T1
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	605	700	95	1.6	10	10	20	16.27	33,833	10.95	22,790	16.65	34,636	18.92	39,355	7	T8, T9, T11, C1, B7
49-3021	Automotive Body and Related Repairers	2,225	2,245	20	0.1	*	*	60	18.79	39,086	11.85	24,649	17.94	37,325	22.26	46,304	9	T9, B2, C1, B6, T4, B9
49-3023	Automotive Service Technicians and Mechanics	9,575	10,140	565	0.6	55	185	240	16.96	35,265	10.71	22,277	16.00	33,288	20.08	41,759	7	T1, T9, T11, T2, T8
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	4,130	4,430	300	0.7	30	95	125	18.73	38,960	13.66	28,402	18.57	38,622	21.27	44,238	7	T9, T11, T1, T4, T5
49-3041	Farm Equipment Mechanics	1,730	1,870	140	0.8	15	35	45	16.97	35,296	11.90	24,751	16.62	34,576	19.51	40,568	9	T9, T1, T11, T8, B3, T4, T5
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	1,610	1,770	155	1.0	15	30	45	21.46	44,625	16.00	33,279	21.29	44,281	24.18	50,298	9	T11, T1, T9, T5, T4, T8
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	605	655	50	0.8	5	15	20	14.57	30,309	10.77	22,396	14.27	29,671	16.47	34,266	10	T9, T1, T11, T4, T5
49-3093	Tire Repairers and Changers	1,295	1,355	60	0.5	5	25	35	12.63	26,274	9.50	19,766	11.72	24,368	14.19	29,529	11	T4, B2, T5, R4, SY1, B9, T11
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	3,140	4,220	1,080	3.4	110	50	160	22.01	45,784	15.14	31,490	21.42	44,555	25.45	52,930	9	T3, T1, T9, T1, T5
49-9041	Industrial Machinery Mechanics	4,055	4,645	590	1.5	60	60	115	21.11	43,909	14.93	31,052	20.69	43,020	24.20	50,338	9	T9, T1, T5, T11, T8
49-9042	Maintenance and Repair Workers, General	15,225	16,770	1,545	1.0	155	235	390	17.11	35,599	11.48	23,872	16.63	34,598	19.94	41,461	10	T1, T9, B3, T2, T11
49-9043	Maintenance Workers, Machinery	1,605	1,755	155	1.0	15	25	40	19.58	40,731	14.45	30,059	20.13	41,861	22.15	46,066	10	T1, T5, T9, T11, T4
49-9044	Millwrights	800	875	75	0.9	10	15	25	20.76	43,168	14.81	30,817	20.86	43,388	23.72	49,344	9	T3, T1, T5, B3, T9, T11
49-9051	Electrical Power-Line Installers and Repairers	1,565	1,495	-70	-0.4	0	55	55	27.26	56,704	21.48	44,673	27.94	58,116	30.16	62,720	9	B2, B6, B3, T11, B1, C1, SY1, T4, T5, T8, T9
49-9052	Telecommunications Line Installers and Repairers	1,425	1,470	50	0.4	5	20	25	19.39	40,323	13.02	27,062	18.33	38,134	22.58	46,954	9	B2, B3, T4, T5, T11
49-9062	Medical Equipment Repairers	590	730	140	2.4	15	15	30	24.16	50,247	15.68	32,610	23.92	49,751	28.40	59,065	6	T1, T9, T11, T5, T8
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	765	835	70	0.9	5	25	35	14.62	30,403	10.54	21,907	14.25	29,639	16.66	34,653	10	T1, T5, T9, B3, SY1, R4
49-9098	Helpers--Installation, Maintenance, and Repair Workers	980	1,050	70	0.7	5	45	55	12.01	24,986	8.31	17,281	10.84	22,560	13.87	28,839	11	B2, T5, T1, T2, B6, T4, T8, B9
49-9099	Installation, Maintenance, and Repair Workers, All Other	2,240	2,445	205	0.9	20	35	55	16.50	34,323	10.53	21,894	15.73	32,722	19.49	40,539	10	
<b>51-0000</b>	<b>Production Occupations</b>	<b>171,740</b>	<b>177,860</b>	<b>6,115</b>	<b>0.4</b>	<b>865</b>	<b>3,710</b>	<b>4,575</b>										
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	9,805	9,970	170	0.2	15	130	150	25.63	53,313	17.12	35,610	24.29	50,515	29.89	62,165	8	B3, R4, B2, B9, S01, R3, B9
51-2022	Electrical and Electronic Equipment Assemblers	1,155	1,125	-30	-0.3	0	20	20	16.18	33,644	12.59	26,184	16.33	33,967	17.97	37,374	11	B2, B6, B9, B7, T5
51-2031	Engine and Other Machine Assemblers	1,585	1,680	95	0.6	10	35	45	16.54	34,410	12.41	25,816	16.02	33,314	18.61	38,708	11	T5, B3, T8, B2, B6, B7
51-2041	Structural Metal Fabricators and Fitters	2,070	2,145	75	0.4	5	45	50	15.13	31,487	11.66	24,242	15.23	31,682	16.88	35,109	10	B2, B3, B9, B6, B7, S06
51-2092	Team Assemblers	24,910	27,210	2,300	0.9	230	560	790	14.63	30,415	10.68	22,225	14.42	29,992	16.59	34,509	10	S01, B2, B3, B9, B6, B7
51-2099	Assemblers and Fabricators, All Other	4,510	4,775	270	0.6	25	100	130	13.38	27,827	9.50	19,754	13.24	27,546	15.32	31,865	10	
51-3011	Bakers	1,285	1,300	15	0.1	*	*	35	10.98	22,829	8.30	17,276	10.55	21,942	12.31	25,605	9	B2, B6, S01, B3, B7, S06, B9
51-3021	Butchers and Meat Cutters	2,010	2,015	5	0.0	*	*	65	11.44	23,798	8.65	17,988	11.01	22,897	12.84	26,703	9	B6, B2, B3, S04, S06, B9
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	5,430	5,660	230	0.4	25	175	195	11.89	24,735	10.15	21,097	12.02	24,999	12.76	26,553	11	B2, S01, B3, B6, B9
51-3023	Slaughtering and Meat Packers	12,570	12,935	365	0.3	35	405	440	12.31	25,595	9.72	20,210	12.60	26,218	13.60	28,289	10	B2, B9, S01, S06, B3, T5, R4
51-3092	Food Batchmakers	2,335	2,505	170	0.7	15	55	75	17.27	35,925	10.44	21,719	15.68	32,627	20.69	43,029	11	T4, B6, B7, T5, B2, B9
51-3093	Food Cooking Machine Operators and Tenders	995	1,000	5	0.1	0	30	30	11.80	24,532	9.12	18,967	11.91	24,781	13.14	27,315	11	T5, T4, T8, B7, B6
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	2,645	3,160	515	1.9	50	50	105	16.71	34,774	13.03	27,092	16.66	34,670	18.56	38,614	10	B6, T5, B3, T8, T4
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	4,540	4,205	-335	-0.7	0	90	90	15.84	32,957	11.93	24,823	15.59	32,420	17.80	37,025	10	t5, B2, T4, T8, B6, B7
51-4041	Machinists	5,595	5,790	200	0.4	20	75	95	17.27	35,918	12.70	26,408	17.03	35,422	19.55	40,673	9	T5, T8, T4, T11, B3, B6
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	2,765	2,790	30	0.1	5	55	60	14.38	29,926	9.98	20,765	14.07	29,262	16.59	34,506	10	T4, T5, T8, B2, B3, B6, B7
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,890	1,755	-140	-0.7	0	35	35	16.03	33,341	12.18	25,337	15.67	32,606	17.95	37,342	10	T5, T8, B6, C1, B3, T4
51-4121	Welders, Cutters, Solderers, and Brazers	9,635	10,045	410	0.4	40	295	335	16.									

2008-2018 STATE OF IOWA 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 Annual Salary	2011 Experienced Wage	2011 Experienced Annual Salary	Education/Training Level**	Top Skills***
53-3022	Bus Drivers, School	5,400	5,430	30	0.1	5	95	95	14.29	29,724	8.99	18,702	13.64	28,383	16.94	35,235	10	B2, T4, T5, SO6, SO5, B9
53-3031	Driver/Sales Workers	4,140	4,340	195	0.5	20	75	95	13.77	28,655	8.22	17,080	12.05	25,069	16.56	34,443	11	B2, B9, SO6, B3, SO5
53-3032	Truck Drivers, Heavy and Tractor-Trailer	41,475	48,965	7,485	1.8	750	740	1,490	17.71	36,835	11.98	24,916	16.86	35,075	20.57	42,794	11	T4, T5, B6, B2, B3, T8
53-3033	Truck Drivers, Light or Delivery Services	10,515	11,185	670	0.6	65	190	255	14.18	29,495	9.15	19,042	12.98	27,006	16.70	34,721	11	B2, B9, B3, B6, T4, SO6
53-3041	Taxi Drivers and Chauffeurs	3,025	3,490	465	1.5	45	55	100	10.55	21,932	8.42	17,501	9.90	20,590	11.61	24,147	11	B2, SO5, T4, B9, SO6, R4
53-6021	Parking Lot Attendants	620	600	-15	-0.2	0	20	20	9.92	20,632	8.23	17,115	9.19	19,128	10.76	22,390	11	B9, SO5, SO6, B2, SO3
53-6031	Service Station Attendants	735	730	0	0.0	0	30	30	10.81	22,498	8.47	17,626	9.70	20,171	11.99	24,935	11	B2, SO5, B9, T4, C1, B3, SO6, R4
53-7011	Conveyor Operators and Tenders	1,325	1,165	-160	-1.2	0	40	40	14.06	29,233	10.87	22,615	13.33	27,719	15.65	32,543	11	T4, T5, B6, B2, B3
53-7021	Crane and Tower Operators	885	900	15	0.2	*	*	25	22.03	45,818	16.44	34,201	22.47	46,736	24.82	51,626	9	T4, T5, B6, B3, SY1, B7, T9, B9, R4, T11
53-7032	Excavating and Loading Machine and Dragline Operators	1,625	1,765	140	0.9	15	45	60	19.04	39,606	13.92	28,937	17.72	36,864	21.60	44,941	10	T4, T5, B6, SO1, B2, B3, B9, T11
53-7051	Industrial Truck and Tractor Operators	12,460	13,685	1,230	1.0	125	370	495	14.78	30,748	11.14	23,158	14.39	29,919	16.60	34,543	11	T4, T5, SO1, T1, B2, B3, B6
53-7061	Cleaners of Vehicles and Equipment	4,235	4,335	100	0.2	10	150	160	10.42	21,680	8.35	17,366	9.63	20,033	11.46	23,838	11	T4, T5, T8, B9, R4
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	24,685	25,145	465	0.2	45	795	840	12.75	26,504	9.26	19,270	12.04	25,050	14.48	30,120	11	B2, B3, T5, SO1, B6, B7, B9
53-7064	Packers and Packers, Hand	8,280	8,140	-140	-0.2	0	140	140	11.59	24,095	8.63	17,955	11.08	23,029	13.06	27,165	11	B9, B2, B3, SY1, B6, T8
53-7081	Refuse and Recyclable Material Collectors	1,715	2,005	285	1.7	30	50	80	14.98	31,145	9.82	20,434	15.32	31,868	17.55	36,500	11	T4, T5, SO1, B3, B2, SY1, B6, SO6, 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 *Legislators* based on 4-months service; *Teachers, Teacher Assistants, and Coaches/Scouts* based on 12-months service; *Farmers* based on *Farm Supervisors/Managers* wages; *Employment, Recruitment, and Placement Specialists, Health Specialties Teachers, and Entertainment Attendants and Related Workers*. All Other based on 2010 OES data; and *Musicians/Singers* based on 2008 OES data.

\***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 twenty 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.