

Total employment by occupation and industry, 2000 and projected 2010

Electrical engineers

[Industries with fewer than 50 workers in 2000 are not displayed]

Industry	2000			2010			Employment change, 2000-10	
	Number	Per- cent of occu- pation	Per- cent of indus- try	Number	Per- cent of occu- pation	Per- cent of indus- try	Number	Percent
Total employment, all industries	157,188	100.00	0.11	174,934	100.00	0.10	17,746	11.3
Self-employed workers, all jobs	4,831	3.07	.04	5,530	3.16	.05	699	14.5
Self-employed workers, primary job	4,342	2.76	.04	4,565	2.61	.04	224	5.1
Self-employed workers, secondary job	489	.31	.03	964	.55	.06	476	97.3
Wage and salary employment, all industries²	152,357	96.93	.11	169,404	96.84	.11	17,047	11.2
Mining	343	.22	.06	317	.18	.06	-26	-7.7
Oil and gas extraction	213	.14	.07	208	.12	.07	-5	-2.2
Oil and gas field services	174	.11	.10	179	.10	.10	5	2.8
Nonmetallic minerals, except fuels	65	.04	.06	60	.03	.05	-5	-7.4
Construction	5,843	3.72	.09	5,900	3.37	.08	56	1.0
General building contractors	385	.24	.03	418	.24	.02	33	8.5
Residential building construction	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Nonresidential building construction	319	.20	.05	349	.20	.05	30	9.4
Heavy construction, except building	1,592	1.01	.18	1,644	.94	.16	52	3.3
Heavy construction, except highway and street	1,589	1.01	.26	1,641	.94	.24	52	3.3
Special trade contractors	3,866	2.46	.09	3,838	2.19	.08	-29	-7
Plumbing, heating, and air-conditioning	332	.21	.04	338	.19	.03	6	1.9
Electrical work	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Miscellaneous special trade contractors	116	.07	.02	128	.07	.01	12	10.3
Manufacturing	70,448	44.82	.38	70,500	40.30	.37	51	.1
Durable goods manufacturing	67,282	42.80	.60	67,542	38.61	.57	260	.4
Stone, clay, and glass products	527	.34	.09	481	.28	.08	-46	-8.7
Flat glass and products of purchased glass	140	.09	.17	140	.08	.17	-0	-3
Glass and glassware, pressed or blown	192	.12	.29	164	.09	.28	-27	-14.2
Cement, hydraulic	74	.05	.42	66	.04	.41	-9	-11.7
Stone, clay, and miscellaneous mineral products	97	.06	.06	87	.05	.06	-10	-10.0
Primary metal industries	1,213	.77	.17	1,125	.64	.17	-88	-7.3
Blast furnaces and basic steel products	359	.23	.16	279	.16	.16	-79	-22.2
Iron and steel foundries	96	.06	.08	99	.06	.08	3	3.3
Primary nonferrous metals	103	.07	.29	96	.05	.28	-7	-6.5
Nonferrous rolling and drawing	580	.37	.33	574	.33	.33	-6	-1.0
Fabricated metal products	1,818	1.16	.12	1,793	1.02	.11	-25	-1.4
Metal cans and shipping containers	72	.05	.20	52	.03	.20	-20	-28.1
Plumbing and heating, except electric	52	.03	.09	48	.03	.09	-4	-7.1
Fabricated structural metal products	347	.22	.07	363	.21	.07	17	4.8
Metal forgings and stampings	224	.14	.09	229	.13	.09	5	2.1
Metal services, nec	55	.03	.04	72	.04	.04	17	31.8
Ordnance and accessories, nec	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Miscellaneous fabricated metal products	174	.11	.06	207	.12	.06	33	18.9
Industrial machinery and equipment	15,543	9.89	.73	14,911	8.52	.67	-632	-4.1
Engines and turbines	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Farm and garden machinery	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Construction and related machinery	940	.60	.39	1,099	.63	.39	159	16.9
Metalworking machinery	952	.61	.29	959	.55	.29	7	.7
Special industry machinery	2,428	1.54	1.42	2,216	1.27	1.41	-212	-8.7
General industrial machinery	1,872	1.19	.75	1,937	1.11	.74	65	3.5
Computer and office equipment	7,955	5.06	2.20	7,177	4.10	2.05	-777	-9.8
Refrigeration and service machinery	431	.27	.20	494	.28	.20	63	14.6
Industrial machinery, nec	622	.40	.17	685	.39	.17	63	10.2
Electronic and other electrical equipment	29,155	18.55	1.70	30,545	17.46	1.68	1,390	4.8
Electric distributing equipment	1,930	1.23	2.27	1,782	1.02	2.31	-147	-7.6
Electrical industrial apparatus	3,421	2.18	2.27	2,959	1.69	2.33	-461	-13.5
Household appliances	136	.09	.12	116	.07	.12	-21	-15.1
Electric lighting and wiring equipment	1,160	.74	.63	1,245	.71	.64	85	7.3
Household audio and video equipment	2,171	1.38	2.73	2,123	1.21	2.76	-48	-2.2
Communications equipment	11,154	7.10	4.04	11,576	6.62	3.99	422	3.8

¹ Data are suppressed to protect confidentiality

² Except secondary jobs in agricultural production, forestry, fishing, or private households

Total employment by occupation and industry, 2000 and projected 2010 — Continued

Electrical engineers

[Industries with fewer than 50 workers in 2000 are not displayed]

Industry	2000			2010			Employment change, 2000-10	
	Number	Per- cent of occu- pation	Per- cent of indus- try	Number	Per- cent of occu- pation	Per- cent of indus- try	Number	Percent
Electronic components and accessories	7,864	5.00	1.15	9,277	5.30	1.16	1,413	18.0
Miscellaneous electrical equipment and supplies	1,319	.84	.90	1,467	.84	.93	148	11.2
Transportation equipment	3,308	2.10	.18	3,513	2.01	.17	205	6.2
Motor vehicles and equipment	1,909	1.21	.19	2,076	1.19	.19	167	8.8
Aircraft and parts	278	.18	.06	345	.20	.06	66	23.8
Ship and boat building and repairing	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Guided missiles, space vehicles, and parts	793	.50	.92	743	.42	.90	-50	-6.3
Miscellaneous transportation equipment	117	.07	.14	138	.08	.14	21	18.2
Instruments and related products	15,408	9.80	1.81	14,868	8.50	1.71	-540	-3.5
Search and navigation equipment	5,331	3.39	3.46	4,654	2.66	3.32	-677	-12.7
Measuring and controlling devices	8,126	5.17	2.69	7,976	4.56	2.66	-150	-1.8
Medical instruments and supplies	1,844	1.17	.64	2,158	1.23	.64	313	17.0
Photographic equipment and supplies	97	.06	.14	75	.04	.14	-21	-22.2
Miscellaneous manufacturing industries	281	.18	.07	272	.16	.07	-9	-3.4
Manufactured products, nec	254	.16	.10	243	.14	.10	-11	-4.2
Nondurable goods manufacturing	3,167	2.01	.04	2,958	1.69	.04	-209	-6.6
Food and kindred products	85	.05	.00	81	.05	.00	-4	-4.2
Tobacco products	162	.10	.48	140	.08	.48	-22	-13.5
Paper and allied products	719	.46	.11	641	.37	.10	-78	-10.9
Pulp, paper, and paperboard mills	572	.36	.29	496	.28	.28	-76	-13.3
Miscellaneous converted paper products	129	.08	.05	127	.07	.05	-2	-1.3
Chemicals and allied products	955	.61	.09	866	.49	.08	-89	-9.4
Industrial inorganic chemicals	93	.06	.10	74	.04	.09	-19	-20.0
Plastics materials and synthetics	266	.17	.17	213	.12	.16	-53	-19.9
Drugs	104	.07	.03	124	.07	.03	20	19.5
Soap, cleaners, and toilet goods	76	.05	.05	78	.04	.05	2	3.0
Industrial organic chemicals	306	.19	.25	264	.15	.24	-42	-13.6
Miscellaneous chemical products	63	.04	.07	62	.04	.07	-1	-1.0
Petroleum and coal products	352	.22	.28	246	.14	.22	-106	-30.1
Petroleum refining	347	.22	.41	241	.14	.37	-106	-30.6
Rubber and miscellaneous plastics products	846	.54	.08	937	.54	.08	92	10.8
Tires and inner tubes	378	.24	.48	383	.22	.47	5	1.3
Miscellaneous plastics products	419	.27	.06	507	.29	.06	88	20.9
Transportation, communications, and utilities	11,929	7.59	.17	10,948	6.26	.13	-981	-8.2
Transportation	203	.13	.00	187	.11	.00	-16	-8.1
Pipelines, except natural gas	115	.07	.84	89	.05	.77	-26	-22.8
Communications	1,850	1.18	.11	2,064	1.18	.11	214	11.6
Telephone communications	1,270	.81	.11	1,393	.80	.11	123	9.7
Telegraph and communication services, nec	115	.07	.34	121	.07	.32	6	5.3
Radio and television broadcasting	310	.20	.12	330	.19	.12	19	6.2
Cable and other pay TV services	155	.10	.07	221	.13	.07	66	42.4
Electric, gas, and sanitary services	9,877	6.28	1.16	8,698	4.97	.97	-1,179	-11.9
Electric services	7,000	4.45	1.96	6,087	3.48	1.88	-913	-13.0
Gas production and distribution	181	.12	.14	163	.09	.14	-18	-9.9
Combination utility services	2,489	1.58	1.63	2,152	1.23	1.56	-337	-13.5
Water supply and sanitary services	206	.13	.10	296	.17	.10	89	43.4
Wholesale trade	8,868	5.64	.13	9,724	5.56	.12	856	9.6
Motor vehicles, parts, and supplies	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Machinery, equipment, and supplies	1,066	.68	.13	1,156	.66	.13	91	8.5
Wholesale trade, other	7,134	4.54	.16	7,846	4.49	.15	712	10.0
Retail trade	317	.20	.00	363	.21	.00	47	14.7
Furniture and homefurnishings stores	223	.14	.02	256	.15	.02	33	14.8
Appliance, radio, TV, and music stores	217	.14	.04	250	.14	.04	33	15.0
Finance, insurance, and real estate	529	.34	.01	560	.32	.01	30	5.8
Insurance agents, brokers, and service	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Holding and other investment offices	322	.21	.13	340	.19	.12	18	5.4

¹ Data are suppressed to protect confidentiality

Total employment by occupation and industry, 2000 and projected 2010 — Continued

Electrical engineers

[Industries with fewer than 50 workers in 2000 are not displayed]

Industry	2000			2010			Employment change, 2000-10	
	Number	Per- cent of occu- pation	Per- cent of indus- try	Number	Per- cent of occu- pation	Per- cent of indus- try	Number	Percent
Services	45,770	29.12	0.09	63,159	36.10	0.10	17,389	38.0
Hotels and other lodging places	419	.27	.02	482	.28	.02	63	15.0
Hotels and motels	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Business services	7,663	4.87	.08	12,007	6.86	.08	4,345	56.7
Miscellaneous equipment rental and leasing	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Personnel supply services	4,649	2.96	.12	7,080	4.05	.12	2,431	52.3
Computer and data processing services	2,602	1.66	.12	4,352	2.49	.11	1,749	67.2
Miscellaneous business services	199	.13	.01	297	.17	.01	97	48.9
Auto repair, services, and parking	70	.04	.01	78	.04	.01	8	12.2
Automotive repair shops	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Miscellaneous repair services	883	.56	.24	962	.55	.24	79	8.9
Electrical repair shops	374	.24	.36	372	.21	.36	-1	-3
Miscellaneous repair shops	510	.32	.22	590	.34	.21	80	15.7
Amusement and recreation services	56	.04	.00	67	.04	.00	11	19.8
Health services	74	.05	.00	76	.04	.00	3	3.6
Hospitals, public and private	70	.04	.00	72	.04	.00	2	2.5
Membership organizations	74	.05	.00	78	.04	.00	4	5.1
Business and professional organizations	74	.05	.04	78	.04	.04	4	5.1
Engineering and management services	36,404	23.16	1.06	49,241	28.15	1.06	12,837	35.3
Engineering and architectural services	26,249	16.70	2.58	35,922	20.53	2.70	9,674	36.9
Research and testing services	8,873	5.65	1.38	11,584	6.62	1.31	2,711	30.5
Management and public relations	1,269	.81	.12	1,716	.98	.11	448	35.3
Services, nec	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Government, except State and Local education and hospitals	8,294	5.28	.08	7,911	4.52	.07	-382	-4.6
Federal government, except Postal Service	4,312	2.74	.22	3,779	2.16	.21	-533	-12.4
State government, except education and hospitals	1,170	.74	.05	1,205	.69	.04	35	3.0
Local government, except education and hospitals	2,809	1.79	.06	2,925	1.67	.05	116	4.1

¹ Data are suppressed to protect confidentiality