

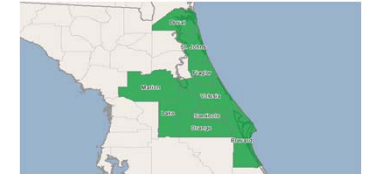
## Other Regional Job Projections September 2011

### Region: Surrounding Counties

Description: Counties surrounding Volusia and Flagler counties

County Areas: Brevard, Florida (12009), Duval, Florida (12031), Flagler, Florida (12035), Lake, Florida (12069), Marion, Florida (12083), Orange, Florida (12095), St. Johns, Florida (12109), Seminole, Florida (12117), Volusia, Florida (12127)

### Job Projections



SOC Code	Description	2011 Jobs	2012 Jobs	2013 Jobs	2014 Jobs	2015 Jobs	2016 Jobs	Total Change	Total % Change	Annual Openings	2011 Avg Hourly Wage	Education Level
13-2011	Accountants and auditors	23,243	24,003	24,697	25,348	25,968	26,487	3,244	14%	1,042	\$25.75	Bachelor's degree
27-2011	Actors	2,305	2,318	2,328	2,337	2,345	2,349	44	2%	68	\$13.42	Long-term on-the-job training
15-2011	Actuaries	135	139	142	145	148	150	15	11%	7	\$38.47	Degree plus work experience
23-1021	Administrative law judges, adjudicators, and hearing officers	128	129	131	132	133	133	5	4%	4	\$33.63	Degree plus work experience
25-3011	Adult literacy, remedial education, and GED teachers and instructors	1,302	1,355	1,400	1,439	1,475	1,499	197	15%	59	\$15.80	Bachelor's degree
11-2011	Advertising and promotions managers	637	650	660	669	677	682	45	7%	24	\$35.97	Degree plus work experience
41-3011	Advertising sales agents	2,622	2,614	2,616	2,625	2,639	2,672	50	2%	77	\$21.48	Moderate-term on-the-job training
17-2011	Aerospace engineers	2,313	2,312	2,318	2,327	2,339	2,361	48	2%	74	\$40.94	Bachelor's degree
13-1011	Agents and business managers of artists, performers, and athletes	933	977	1,013	1,043	1,069	1,084	151	16%	51	\$12.98	Degree plus work experience
19-4011	Agricultural and food science technicians	71	72	73	73	74	75	4	6%	3	\$15.05	Associate's degree
17-2021	Agricultural engineers	52	52	53	53	53	54	2	4%	2	\$23.56	Bachelor's degree
45-2011	Agricultural inspectors	54	54	54	54	54	55	1	2%	1	\$22.31	Work experience in a related field
53-2021	Air traffic controllers	455	460	463	465	466	465	10	2%	19	\$50.11	Long-term on-the-job training
49-3011	Aircraft mechanics and service technicians	2,151	2,189	2,224	2,255	2,285	2,309	158	7%	78	\$23.45	Postsecondary vocational award
51-2011	Aircraft structure, surfaces, rigging, and systems assemblers	1,042	1,081	1,120	1,158	1,196	1,235	193	19%	64	\$20.63	Long-term on-the-job training
53-2022	Airfield operations specialists	322	328	334	340	346	352	30	9%	17	\$22.21	Long-term on-the-job training
53-2011	Airline pilots, copilots, and flight engineers	732	743	753	763	773	781	49	7%	35	\$74.16	Bachelor's degree
39-3091	Amusement and recreation attendants	10,698	10,787	10,853	10,902	10,939	10,940	242	2%	609	\$8.88	Short-term on-the-job training
45-2021	Animal breeders	111	108	106	104	102	102	(9)	(8%)	3	\$10.66	Short-term on-the-job training
33-9011	Animal control workers	203	208	213	217	220	223	20	10%	9	\$15.15	Moderate-term on-the-job training
19-1011	Animal scientists	33	34	35	36	37	37	4	12%	2	\$21.18	Bachelor's degree
39-2011	Animal trainers	1,520	1,529	1,537	1,545	1,552	1,558	38	3%	44	\$14.69	Moderate-term on-the-job training
19-3091	Anthropologists and archeologists	51	53	55	56	57	59	8	16%	4	\$25.06	Master's degree
13-2021	Appraisers and assessors of real estate	5,146	5,398	5,604	5,777	5,927	6,013	867	17%	267	\$11.98	Postsecondary vocational award
23-1022	Arbitrators, mediators, and conciliators	145	150	154	157	160	163	18	12%	6	\$18.62	Degree plus work experience
17-1011	Architects, except landscape and naval	1,953	1,965	1,979	1,993	2,009	2,029	76	4%	48	\$26.83	Bachelor's degree
25-4011	Archivists	39	40	40	41	41	41	2	5%	2	\$19.61	Master's degree
27-1011	Art directors	2,317	2,396	2,462	2,518	2,568	2,600	283	12%	108	\$13.51	Degree plus work experience
51-2099	Assemblers and fabricators, all other	2,644	2,615	2,612	2,627	2,655	2,716	72	3%	92	\$12.75	Moderate-term on-the-job training
19-2011	Astronomers	17	18	18	19	19	19	2	12%	1	\$34.38	Doctoral degree
27-2021	Athletes and sports competitors	417	427	435	442	449	453	36	9%	15	\$27.66	Long-term on-the-job training
29-9091	Athletic trainers	156	164	172	179	185	190	34	22%	12	\$29.04	Bachelor's degree
19-2021	Atmospheric and space scientists	80	82	84	86	87	87	7	9%	3	\$34.56	Bachelor's degree
29-1121	Audiologists	243	252	260	267	273	276	33	14%	12	\$29.02	First professional degree

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25-9011	Audio-visual collections specialists	29	30	31	32	32	33	4	14%	1	\$16.23	Moderate-term on-the-job training
49-2091	Avionics technicians	300	307	315	321	328	334	34	11%	13	\$23.20	Postsecondary vocational award
39-6011	Baggage porters and bellhops	2,023	2,065	2,106	2,146	2,186	2,223	200	10%	93	\$9.33	Short-term on-the-job training
51-3011	Bakers	1,498	1,519	1,537	1,553	1,568	1,579	81	5%	55	\$12.17	Long-term on-the-job training
39-5011	Barbers	632	667	697	721	743	755	123	19%	34	\$16.43	Postsecondary vocational award
35-3011	Bartenders	7,894	8,019	8,124	8,215	8,296	8,349	455	6%	374	\$9.95	Short-term on-the-job training
49-3091	Bicycle repairers	89	91	92	93	94	95	6	7%	3	\$11.76	Moderate-term on-the-job training
43-3011	Bill and account collectors	8,347	8,603	8,848	9,084	9,315	9,523	1,176	14%	393	\$15.03	Short-term on-the-job training
51-5011	Bindery workers	367	353	343	335	329	326	(41)	(11%)	6	\$14.04	Short-term on-the-job training
19-1021	Biochemists and biophysicists	58	61	63	66	68	69	11	19%	4	\$28.69	Doctoral degree
19-1029	Biological scientists, all other	383	391	397	403	407	409	26	7%	18	\$29.44	Bachelor's degree
19-4021	Biological technicians	682	703	720	735	748	756	74	11%	39	\$17.22	Associate's degree
17-2031	Biomedical engineers	176	188	199	210	221	231	55	31%	15	\$36.94	Bachelor's degree
47-2011	Boilermakers	74	76	78	80	83	85	11	15%	4	\$25.17	Long-term on-the-job training
51-5012	Bookbinders	34	33	33	32	32	32	(2)	(6%)	1	\$23.39	Moderate-term on-the-job training
47-2021	Brickmasons and blockmasons	1,209	1,188	1,179	1,177	1,180	1,199	(10)	(1%)	40	\$20.74	Long-term on-the-job training
53-6011	Bridge and lock tenders	46	46	47	47	47	47	1	2%	2	\$15.82	Short-term on-the-job training
27-3021	Broadcast news analysts	121	126	129	133	136	138	17	14%	7	\$27.72	Degree plus work experience
27-4012	Broadcast technicians	576	587	597	607	616	623	47	8%	27	\$19.40	Associate's degree
13-2031	Budget analysts	652	666	678	689	700	708	56	9%	23	\$28.34	Bachelor's degree
37-2019	Building cleaning workers, all other	4,367	4,408	4,443	4,474	4,503	4,524	157	4%	113	\$10.14	Short-term on-the-job training
49-3031	Bus and truck mechanics and diesel engine specialists	2,939	2,955	2,978	3,006	3,037	3,079	140	5%	97	\$19.10	Postsecondary vocational award
53-3022	Bus drivers, school	5,992	6,094	6,175	6,239	6,292	6,317	325	5%	170	\$11.60	Short-term on-the-job training
53-3021	Bus drivers, transit and intercity	3,013	3,061	3,110	3,160	3,210	3,261	248	8%	102	\$15.57	Moderate-term on-the-job training
13-1199	Business operation specialists, all other	20,259	20,643	20,990	21,310	21,611	21,853	1,594	8%	769	\$29.06	Bachelor's degree
51-3021	Butchers and meat cutters	1,537	1,542	1,550	1,560	1,573	1,590	53	3%	64	\$14.13	Long-term on-the-job training
51-7011	Cabinetmakers and bench carpenters	1,139	1,142	1,153	1,169	1,187	1,221	82	7%	44	\$14.84	Long-term on-the-job training
49-9061	Camera and photographic equipment repairers	82	82	82	82	82	82	0	0%	3	\$12.91	Moderate-term on-the-job training
53-5021	Captains, mates, and pilots of water vessels	454	470	486	500	514	527	73	16%	34	\$30.71	Work experience in a related field
29-2031	Cardiovascular technologists and technicians	1,349	1,399	1,444	1,485	1,523	1,553	204	15%	61	\$20.02	Associate's degree
43-5011	Cargo and freight agents	1,356	1,390	1,424	1,458	1,492	1,524	168	12%	65	\$13.69	Moderate-term on-the-job training
47-2031	Carpenters	17,320	17,358	17,500	17,711	17,972	18,378	1,058	6%	430	\$18.83	Long-term on-the-job training
47-2041	Carpet installers	657	664	673	684	697	712	55	8%	28	\$19.33	Moderate-term on-the-job training
17-1021	Cartographers and photogrammetrists	113	116	120	123	125	128	15	13%	6	\$28.12	Bachelor's degree
41-2011	Cashiers, except gaming	58,306	58,895	59,450	59,980	60,493	60,959	2,653	5%	3,158	\$8.99	Short-term on-the-job training
47-2051	Cement masons and concrete finishers	2,263	2,265	2,290	2,328	2,376	2,456	193	9%	104	\$17.68	Moderate-term on-the-job training
51-9191	Cementing and gluing machine operators and tenders	70	68	67	66	66	66	(4)	(6%)	2	\$14.26	Moderate-term on-the-job training
35-1011	Chefs and head cooks	1,441	1,469	1,489	1,505	1,517	1,519	78	5%	30	\$22.45	Work experience in a related field
17-2041	Chemical engineers	180	183	185	187	189	190	10	6%	6	\$42.79	Bachelor's degree
51-9011	Chemical equipment operators and tenders	162	164	165	167	169	171	9	6%	4	\$17.68	Moderate-term on-the-job training

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51-8091	Chemical plant and system operators	121	122	122	123	123	124	3	2%	4	\$20.52	Long-term on-the-job training
19-4031	Chemical technicians	491	499	505	511	517	521	30	6%	16	\$17.60	Associate's degree
19-2031	Chemists	550	560	568	575	581	584	34	6%	25	\$28.77	Bachelor's degree
21-1021	Child, family, and school social workers	2,321	2,379	2,425	2,465	2,498	2,517	196	8%	97	\$17.49	Bachelor's degree
29-1011	Chiropractors	910	950	985	1,015	1,041	1,059	149	16%	46	\$38.68	First professional degree
27-2032	Choreographers	182	188	193	198	202	204	22	12%	13	\$17.14	Work experience in a related field
17-2051	Civil engineers	4,284	4,376	4,467	4,555	4,641	4,723	439	10%	160	\$36.52	Bachelor's degree
13-1031	Claims adjusters, examiners, and investigators	4,222	4,278	4,329	4,375	4,417	4,449	227	5%	164	\$26.83	Long-term on-the-job training
53-7061	Cleaners of vehicles and equipment	5,713	5,791	5,876	5,965	6,057	6,157	444	8%	293	\$10.91	Short-term on-the-job training
51-9192	Cleaning, washing, and metal pickling equipment operators and tenders	150	150	150	151	152	154	4	3%	5	\$15.83	Moderate-term on-the-job training
21-2011	Clergy	6,121	6,182	6,234	6,280	6,322	6,351	230	4%	167	\$10.88	Master's degree
19-3031	Clinical, counseling, and school psychologists	3,928	4,121	4,279	4,414	4,530	4,601	673	17%	246	\$17.93	Doctoral degree
27-2022	Coaches and scouts	2,831	2,960	3,070	3,168	3,256	3,318	487	17%	152	\$18.14	Long-term on-the-job training
51-9121	Coating, painting, and spraying machine setters, operators, and tenders	936	942	953	968	987	1,013	77	8%	40	\$14.02	Moderate-term on-the-job training
51-2021	Coil winders, tapers, and finishers	54	52	51	50	49	49	(5)	(9%)	1	\$15.48	Short-term on-the-job training
49-9091	Coin, vending, and amusement machine servicers and repairers	522	520	519	520	521	524	2	0%	21	\$11.74	Moderate-term on-the-job training
35-3021	Combined food preparation and serving workers, including fast food	44,138	45,229	46,155	46,964	47,688	48,172	4,034	9%	1,743	\$8.72	Short-term on-the-job training
49-9092	Commercial divers	122	126	130	133	136	138	16	13%	5	\$12.21	Moderate-term on-the-job training
53-2012	Commercial pilots	827	833	839	846	852	860	33	4%	36	\$27.92	Postsecondary vocational award
43-2099	Communications equipment operators, all other	95	94	93	92	91	89	(6)	(6%)	2	\$13.93	Short-term on-the-job training
21-1099	Community and social service specialists, all other	2,232	2,286	2,331	2,371	2,407	2,432	200	9%	87	\$18.38	Bachelor's degree
11-3041	Compensation and benefits managers	536	547	557	567	576	583	47	9%	21	\$45.71	Degree plus work experience
13-1072	Compensation, benefits, and job analysis specialists	1,264	1,308	1,349	1,388	1,427	1,461	197	16%	72	\$23.88	Bachelor's degree
13-1041	Compliance officers, except agriculture, construction, health and safety, and	4,632	4,813	4,980	5,137	5,287	5,413	781	17%	205	\$21.98	Long-term on-the-job training
17-2061	Computer hardware engineers	1,340	1,351	1,361	1,371	1,381	1,393	53	4%	48	\$37.72	Bachelor's degree
43-9011	Computer operators	1,168	1,168	1,165	1,160	1,153	1,139	(29)	(2%)	15	\$15.71	Moderate-term on-the-job training
15-1031	Computer software engineers, applications	8,268	8,583	8,879	9,162	9,438	9,678	1,410	17%	352	\$38.68	Bachelor's degree
15-1032	Computer software engineers, systems software	4,803	4,960	5,108	5,251	5,391	5,517	714	15%	183	\$40.87	Bachelor's degree
15-1041	Computer support specialists	10,529	10,766	10,984	11,189	11,385	11,544	1,015	10%	494	\$19.51	Associate's degree
51-4011	Computer-controlled machine tool operators, metal and plastic	880	884	894	907	922	945	65	7%	31	\$16.83	Moderate-term on-the-job training
39-6012	Concierges	989	1,009	1,028	1,046	1,064	1,080	91	9%	44	\$11.22	Moderate-term on-the-job training
19-1031	Conservation scientists	67	68	68	69	69	70	3	4%	1	\$28.04	Bachelor's degree
47-4011	Construction and building inspectors	1,936	1,983	2,026	2,066	2,104	2,136	200	10%	80	\$22.62	Work experience in a related field
47-4099	Construction and related workers, all other	2,878	2,899	2,938	2,988	3,046	3,126	248	9%	149	\$16.23	Moderate-term on-the-job training
47-2061	Construction laborers	15,548	15,667	15,892	16,190	16,542	17,045	1,497	10%	405	\$15.31	Moderate-term on-the-job training
47-5041	Continuous mining machine operators	15	15	16	16	17	17	2	13%	1	\$38.93	Moderate-term on-the-job training
49-9012	Control and valve installers and repairers, except mechanical door	341	344	348	352	356	361	20	6%	9	\$18.63	Moderate-term on-the-job training
53-7011	Conveyor operators and tenders	173	172	173	173	174	176	3	2%	6	\$14.99	Short-term on-the-job training
35-2019	Cooks, all other	167	171	175	178	181	184	17	10%	8	\$11.26	Moderate-term on-the-job training
35-2011	Cooks, fast food	5,706	5,842	5,950	6,039	6,114	6,152	446	8%	235	\$9.47	Short-term on-the-job training

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35-2012	Cooks, institution and cafeteria	3,287	3,364	3,428	3,482	3,528	3,556	269	8%	138	\$11.02	Moderate-term on-the-job training
35-2013	Cooks, private household	368	383	396	406	415	421	53	14%	20	\$7.56	Long-term on-the-job training
35-2014	Cooks, restaurant	20,320	20,716	21,029	21,284	21,497	21,596	1,276	6%	775	\$11.80	Long-term on-the-job training
35-2015	Cooks, short order	1,101	1,116	1,127	1,134	1,140	1,140	39	4%	36	\$10.71	Short-term on-the-job training
51-9193	Cooling and freezing equipment operators and tenders	89	87	86	85	84	84	(5)	(6%)	2	\$13.45	Moderate-term on-the-job training
43-4021	Correspondence clerks	135	131	128	125	122	120	(15)	(11%)	4	\$12.73	Short-term on-the-job training
39-3092	Costume attendants	291	293	296	298	300	301	10	3%	17	\$10.36	Short-term on-the-job training
21-1019	Counselors, all other	646	663	677	689	700	707	61	9%	25	\$16.57	Master's degree
41-2021	Counter and rental clerks	6,384	6,438	6,503	6,575	6,653	6,746	362	6%	244	\$12.53	Short-term on-the-job training
35-3022	Counter attendants, cafeteria, food concession, and coffee shop	8,061	8,221	8,355	8,471	8,573	8,639	578	7%	708	\$8.85	Short-term on-the-job training
43-5021	Couriers and messengers	3,764	3,828	3,883	3,930	3,971	3,999	235	6%	134	\$8.78	Short-term on-the-job training
23-2091	Court reporters	538	563	585	605	625	640	102	19%	28	\$13.02	Postsecondary vocational award
43-4031	Court, municipal, and license clerks	1,896	1,935	1,970	2,002	2,032	2,057	161	8%	86	\$14.81	Short-term on-the-job training
27-1012	Craft artists	421	432	441	449	456	460	39	9%	17	\$10.86	Long-term on-the-job training
53-7021	Crane and tower operators	801	804	809	816	824	835	34	4%	25	\$19.47	Long-term on-the-job training
13-2041	Credit analysts	1,037	1,048	1,062	1,079	1,098	1,122	85	8%	36	\$30.11	Bachelor's degree
43-4041	Credit authorizers, checkers, and clerks	1,177	1,165	1,160	1,159	1,161	1,172	(5)	0%	42	\$18.63	Short-term on-the-job training
33-9091	Crossing guards	1,285	1,316	1,344	1,371	1,397	1,420	135	11%	62	\$9.71	Short-term on-the-job training
51-9021	Crushing, grinding, and polishing machine setters, operators, and tenders	295	297	301	306	313	322	27	9%	11	\$14.40	Moderate-term on-the-job training
25-4012	Curators	104	105	106	107	108	110	6	6%	5	\$18.67	Master's degree
43-4051	Customer service representatives	49,945	51,099	52,296	53,529	54,793	56,092	6,147	12%	2,801	\$13.98	Moderate-term on-the-job training
51-9031	Cutters and trimmers, hand	88	87	87	86	87	88	0	0%	3	\$12.64	Short-term on-the-job training
51-9032	Cutting and slicing machine setters, operators, and tenders	406	407	411	417	426	439	33	8%	15	\$17.30	Moderate-term on-the-job training
51-4031	Cutting, punching, and press machine setters, operators, and tenders, me	1,278	1,246	1,227	1,217	1,213	1,226	(52)	(4%)	29	\$14.18	Moderate-term on-the-job training
27-2031	Dancers	142	146	150	153	155	157	15	11%	10	\$12.67	Long-term on-the-job training
43-9021	Data entry keyers	5,681	5,680	5,678	5,674	5,668	5,649	(32)	(1%)	139	\$12.31	Moderate-term on-the-job training
41-9011	Demonstrators and product promoters	1,905	1,926	1,945	1,962	1,979	1,992	87	5%	72	\$11.95	Moderate-term on-the-job training
51-9081	Dental laboratory technicians	857	855	854	852	851	849	(8)	(1%)	22	\$18.00	Long-term on-the-job training
29-1029	Dentists, all other specialists	69	71	73	74	75	76	7	10%	3	\$59.62	First professional degree
29-1021	Dentists, general	1,440	1,487	1,527	1,560	1,589	1,606	166	12%	73	\$59.93	First professional degree
47-5011	Derrick operators, oil and gas	14	15	15	16	16	17	3	21%	1	\$15.02	Moderate-term on-the-job training
27-1029	Designers, all other	208	213	217	221	224	227	19	9%	10	\$17.84	Bachelor's degree
43-9031	Desktop publishers	335	336	337	338	339	340	5	1%	7	\$14.32	Postsecondary vocational award
29-2032	Diagnostic medical sonographers	1,121	1,158	1,189	1,216	1,240	1,256	135	12%	43	\$27.10	Associate's degree
29-2051	Dietetic technicians	169	173	177	181	184	186	17	10%	8	\$14.54	Moderate-term on-the-job training
29-1031	Dietitians and nutritionists	1,082	1,117	1,146	1,170	1,190	1,200	118	11%	60	\$23.21	Bachelor's degree
35-9011	Dining room and cafeteria attendants and bartender helpers	7,774	7,899	7,997	8,077	8,142	8,172	398	5%	417	\$8.93	Short-term on-the-job training
21-2021	Directors, religious activities and education	2,497	2,528	2,555	2,579	2,601	2,618	121	5%	75	\$11.10	Bachelor's degree
35-9021	Dishwashers	11,202	11,447	11,652	11,826	11,979	12,073	871	8%	635	\$8.65	Short-term on-the-job training
43-5032	Dispatchers, except police, fire, and ambulance	3,147	3,175	3,204	3,232	3,260	3,289	142	5%	93	\$15.66	Moderate-term on-the-job training

SOC Code	Description	2011 Jobs	2012 Jobs	2013 Jobs	2014 Jobs	2015 Jobs	2016 Jobs	Total Change	Total % Change	Annual Openings	2011 Avg Hourly Wage	Education Level
41-9091	Door-to-door sales workers, news and street vendors, and related workers	10,722	10,551	10,411	10,292	10,190	10,128	(594)	(6%)	195	\$7.36	Short-term on-the-job training
53-7031	Dredge operators	18	17	17	17	16	17	(1)	(6%)	1	\$17.68	Moderate-term on-the-job training
51-4032	Drilling and boring machine tool setters, operators, and tenders, metal and	91	89	88	87	87	87	(4)	(4%)	1	\$13.39	Moderate-term on-the-job training
53-3031	Driver/sales workers	4,429	4,507	4,576	4,640	4,700	4,748	319	7%	143	\$14.24	Short-term on-the-job training
47-2081	Drywall and ceiling tile installers	1,521	1,474	1,445	1,428	1,418	1,439	(82)	(5%)	24	\$17.47	Moderate-term on-the-job training
47-5021	Earth drillers, except oil and gas	232	233	236	239	242	247	15	6%	8	\$17.17	Moderate-term on-the-job training
19-3011	Economists	105	109	113	116	119	120	15	14%	6	\$26.84	Master's degree
27-3041	Editors	1,855	1,880	1,906	1,933	1,960	1,990	135	7%	76	\$20.61	Bachelor's degree
11-9039	Education administrators, all other	255	265	273	281	289	294	39	15%	15	\$35.30	Degree plus work experience
11-9032	Education administrators, elementary and secondary school	1,489	1,535	1,572	1,603	1,631	1,647	158	11%	76	\$40.55	Degree plus work experience
11-9033	Education administrators, postsecondary	804	825	841	853	863	867	63	8%	37	\$32.51	Degree plus work experience
11-9031	Education administrators, preschool and child care center/program	398	405	411	416	420	422	24	6%	17	\$15.09	Degree plus work experience
25-9099	Education, training, and library workers, all other	1,968	2,023	2,071	2,114	2,154	2,183	215	11%	86	\$21.19	Bachelor's degree
21-1012	Educational, vocational, and school counselors	3,264	3,366	3,453	3,529	3,597	3,643	379	12%	142	\$23.35	Master's degree
49-2092	Electric motor, power tool, and related repairers	274	280	286	292	298	305	31	11%	16	\$17.40	Postsecondary vocational award
51-2022	Electrical and electronic equipment assemblers	3,176	3,115	3,072	3,043	3,024	3,034	(142)	(4%)	57	\$14.26	Short-term on-the-job training
17-3012	Electrical and electronics drafters	428	431	435	439	442	447	19	4%	13	\$22.57	Postsecondary vocational award
17-2071	Electrical engineers	2,956	2,956	2,960	2,967	2,976	2,993	37	1%	83	\$37.00	Bachelor's degree
49-9051	Electrical power-line installers and repairers	1,098	1,130	1,164	1,198	1,234	1,270	172	16%	76	\$24.77	Long-term on-the-job training
51-2023	Electromechanical equipment assemblers	652	649	649	651	655	662	10	2%	15	\$13.46	Short-term on-the-job training
17-3024	Electro-mechanical technicians	243	242	242	243	243	245	2	1%	6	\$19.69	Associate's degree
49-2097	Electronic home entertainment equipment installers and repairers	1,173	1,192	1,214	1,237	1,263	1,292	119	10%	45	\$16.17	Postsecondary vocational award
17-2072	Electronics engineers, except computer	2,009	2,014	2,020	2,027	2,034	2,046	37	2%	58	\$36.40	Bachelor's degree
25-2021	Elementary school teachers, except special education	19,174	19,761	20,274	20,736	21,161	21,477	2,303	12%	896	\$28.83	Bachelor's degree
47-4021	Elevator installers and repairers	315	340	362	382	400	415	100	32%	29	\$27.70	Long-term on-the-job training
43-4061	Eligibility interviewers, government programs	1,171	1,183	1,191	1,197	1,202	1,202	31	3%	35	\$18.40	Moderate-term on-the-job training
39-4011	Embalmers	57	57	57	57	57	57	0	0%	3	\$18.08	Postsecondary vocational award
13-1061	Emergency management specialists	93	96	98	101	103	105	12	13%	4	\$28.47	Work experience in a related field
13-1071	Employment, recruitment, and placement specialists	3,403	3,443	3,499	3,565	3,639	3,732	329	10%	155	\$21.56	Bachelor's degree
51-2031	Engine and other machine assemblers	279	273	270	270	270	274	(5)	(2%)	8	\$17.45	Short-term on-the-job training
17-2199	Engineers, all other	3,423	3,447	3,472	3,497	3,522	3,549	126	4%	101	\$41.28	Bachelor's degree
27-2099	Entertainers and performers, sports and related workers, all other	1,799	1,842	1,877	1,906	1,931	1,945	146	8%	72	\$14.78	Long-term on-the-job training
39-3099	Entertainment attendants and related workers, all other	819	837	852	866	878	886	67	8%	56	\$9.58	Moderate-term on-the-job training
17-3025	Environmental engineering technicians	339	351	362	373	383	391	52	15%	17	\$19.64	Associate's degree
17-2081	Environmental engineers	777	807	834	860	883	902	125	16%	41	\$34.89	Bachelor's degree
19-4091	Environmental science and protection technicians, including health	561	587	610	631	650	665	104	19%	45	\$18.03	Associate's degree
19-2041	Environmental scientists and specialists, including health	1,402	1,461	1,513	1,560	1,605	1,639	237	17%	87	\$24.85	Master's degree
19-1041	Epidemiologists	17	17	18	18	19	19	2	12%	1	\$26.27	Master's degree
51-9194	Etchers and engravers	181	182	184	185	187	189	8	4%	3	\$14.34	Long-term on-the-job training
53-7032	Excavating and loading machine and dragline operators	1,008	1,020	1,035	1,054	1,074	1,100	92	9%	48	\$17.14	Moderate-term on-the-job training

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47-5031	Explosives workers, ordnance handling experts, and blasters	22	22	23	23	23	23	1	5%	1	\$22.05	Moderate-term on-the-job training
47-5099	Extraction workers, all other	41	45	48	51	54	55	14	34%	4	\$17.64	Moderate-term on-the-job training
51-4021	Extruding and drawing machine setters, operators, and tenders, metal and plastic	824	809	802	801	803	815	(9)	(1%)	22	\$12.14	Moderate-term on-the-job training
51-6091	Extruding and forming machine setters, operators, and tenders, synthetic rubber, plastic, and glass	45	44	43	42	41	41	(4)	(9%)	1	\$15.12	Moderate-term on-the-job training
51-9041	Extruding, forming, pressing, and compacting machine setters, operators, and tenders, metal and plastic	590	589	594	602	614	634	44	7%	22	\$13.84	Moderate-term on-the-job training
51-6092	Fabric and apparel patternmakers	46	47	48	48	49	50	4	9%	1	\$13.91	Long-term on-the-job training
49-9093	Fabric menders, except garment	<10	<10	<10	<10	<10	<10	--	--	--	--	Moderate-term on-the-job training
45-4021	Fallers	41	41	42	42	42	43	2	5%	2	\$12.89	Moderate-term on-the-job training
25-9021	Farm and home management advisors	166	169	172	174	176	177	11	7%	6	\$21.01	Bachelor's degree
49-3041	Farm equipment mechanics	187	190	193	197	202	207	20	11%	9	\$18.25	Postsecondary vocational award
11-9011	Farm, ranch, and other agricultural managers	1,945	1,912	1,896	1,891	1,894	1,924	(21)	(1%)	55	\$23.31	Degree plus work experience
11-9012	Farmers and ranchers	7,182	7,080	6,997	6,926	6,864	6,826	(356)	(5%)	51	\$9.97	Long-term on-the-job training
27-1022	Fashion designers	241	247	252	257	261	265	24	10%	12	\$16.47	Associate's degree
47-4031	Fence erectors	482	491	502	514	526	541	59	12%	17	\$18.36	Moderate-term on-the-job training
51-2091	Fiberglass laminators and fabricators	603	563	533	510	491	487	(116)	(19%)	16	\$15.58	Moderate-term on-the-job training
43-4071	File clerks	5,191	5,139	5,069	4,984	4,886	4,766	(425)	(8%)	129	\$12.29	Short-term on-the-job training
13-2051	Financial analysts	4,679	5,002	5,274	5,512	5,725	5,867	1,188	25%	323	\$25.16	Bachelor's degree
13-2061	Financial examiners	171	178	185	192	199	206	35	20%	10	\$37.96	Bachelor's degree
11-3031	Financial managers	8,410	8,908	9,327	9,691	10,013	10,227	1,817	22%	515	\$33.50	Degree plus work experience
13-2099	Financial specialists, all other	3,574	3,649	3,714	3,774	3,830	3,873	299	8%	125	\$27.50	Bachelor's degree
27-1013	Fine artists, including painters, sculptors, and illustrators	938	960	978	994	1,008	1,016	78	8%	37	\$13.33	Long-term on-the-job training
41-1012	First-line supervisors/managers of non-retail sales workers	13,870	14,421	14,890	15,304	15,676	15,936	2,066	15%	701	\$26.40	Work experience in a related field
43-1011	First-line supervisors/managers of office and administrative support workers	21,867	22,381	22,854	23,300	23,725	24,087	2,220	10%	937	\$21.45	Work experience in a related field
41-1011	First-line supervisors/managers of retail sales workers	29,967	30,287	30,587	30,874	31,151	31,401	1,434	5%	930	\$17.12	Work experience in a related field
33-1099	First-line supervisors/managers, protective service workers, all other	932	962	989	1,013	1,036	1,053	121	13%	58	\$17.94	Work experience in a related field
33-3031	Fish and game wardens	62	63	64	64	65	65	3	5%	2	\$17.44	Associate's degree
45-3011	Fishers and related fishing workers	895	868	846	826	808	797	(98)	(11%)	25	\$9.40	Moderate-term on-the-job training
39-9031	Fitness trainers and aerobics instructors	3,883	4,099	4,287	4,456	4,612	4,723	840	22%	238	\$13.21	Postsecondary vocational award
39-6031	Flight attendants	959	973	987	1,001	1,016	1,027	68	7%	35	\$26.28	Long-term on-the-job training
47-2042	Floor layers, except carpet, wood, and hard tiles	336	342	350	359	368	379	43	13%	17	\$19.70	Moderate-term on-the-job training
47-2043	Floor sanders and finishers	160	163	167	172	176	182	22	14%	9	\$17.49	Moderate-term on-the-job training
27-1023	Floral designers	853	837	828	822	820	827	(26)	(3%)	29	\$10.72	Moderate-term on-the-job training
51-3091	Food and tobacco roasting, baking, and drying machine operators and tenders	63	65	67	68	70	71	8	13%	3	\$14.34	Short-term on-the-job training
51-3092	Food batchmakers	376	385	393	402	410	418	42	11%	18	\$12.74	Short-term on-the-job training
51-3093	Food cooking machine operators and tenders	264	267	270	273	275	277	13	5%	11	\$15.13	Short-term on-the-job training
35-9099	Food preparation and serving related workers, all other	1,351	1,355	1,356	1,356	1,355	1,352	1	0%	70	\$12.43	Short-term on-the-job training
35-2021	Food preparation workers	14,094	14,307	14,474	14,609	14,721	14,774	680	5%	641	\$9.46	Short-term on-the-job training
19-1012	Food scientists and technologists	118	120	123	125	126	128	10	8%	6	\$21.33	Bachelor's degree
35-3041	Food servers, nonrestaurant	2,938	2,997	3,049	3,095	3,138	3,171	233	8%	97	\$10.04	Short-term on-the-job training
19-4092	Forensic science technicians	357	369	380	391	401	410	53	15%	26	\$20.44	Associate's degree

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19-4093	Forest and conservation technicians	73	75	76	77	78	78	5	7%	4	\$18.79	Associate's degree
45-4011	Forest and conservation workers	46	46	46	45	45	45	(1)	(2%)	1	\$13.67	Moderate-term on-the-job training
19-1032	Foresters	85	86	87	88	89	90	5	6%	2	\$20.04	Bachelor's degree
51-4022	Forging machine setters, operators, and tenders, metal and plastic	48	47	47	47	48	48	0	0%	1	\$14.12	Moderate-term on-the-job training
51-4071	Foundry mold and coremakers	28	29	29	30	31	32	4	14%	1	\$13.90	Moderate-term on-the-job training
39-4021	Funeral attendants	496	503	511	519	528	537	41	8%	33	\$10.68	Short-term on-the-job training
11-9061	Funeral directors	267	268	269	271	272	273	6	2%	8	\$28.27	Associate's degree
51-9051	Furnace, kiln, oven, drier, and kettle operators and tenders	178	183	187	192	197	202	24	13%	7	\$15.06	Moderate-term on-the-job training
51-7021	Furniture finishers	467	462	459	457	456	458	(9)	(2%)	12	\$10.96	Long-term on-the-job training
39-3012	Gaming and sports book writers and runners	108	109	110	111	112	113	5	5%	6	\$12.30	Short-term on-the-job training
41-2012	Gaming change persons and booth cashiers	68	68	69	69	69	68	0	0%	4	\$9.94	Short-term on-the-job training
39-3011	Gaming dealers	202	211	220	228	236	243	41	20%	17	\$11.21	Postsecondary vocational award
11-9071	Gaming managers	135	144	152	158	164	168	33	24%	10	\$12.31	Work experience in a related field
39-3019	Gaming service workers, all other	46	47	48	50	51	51	5	11%	3	\$11.46	Moderate-term on-the-job training
53-7071	Gas compressor and gas pumping station operators	30	32	33	34	35	36	6	20%	2	\$16.48	Moderate-term on-the-job training
19-3092	Geographers	26	27	28	28	29	29	3	12%	2	\$25.37	Master's degree
19-4041	Geological and petroleum technicians	106	113	119	124	128	131	25	24%	9	\$17.12	Associate's degree
19-2042	Geoscientists, except hydrologists and geographers	197	206	214	220	226	230	33	17%	12	\$29.91	Master's degree
47-2121	Glaziers	873	882	895	911	929	955	82	9%	50	\$16.99	Long-term on-the-job training
45-2041	Graders and sorters, agricultural products	345	342	340	339	339	341	(4)	(1%)	9	\$9.97	Work experience in a related field
51-9022	Grinding and polishing workers, hand	321	323	328	335	343	354	33	10%	12	\$13.80	Moderate-term on-the-job training
51-4033	Grinding, lapping, polishing, and buffing machine tool setters, operators, a	385	384	384	385	387	391	6	2%	8	\$14.58	Moderate-term on-the-job training
47-4041	Hazardous materials removal workers	212	217	222	225	228	230	18	8%	10	\$17.11	Moderate-term on-the-job training
17-2111	Health and safety engineers, except mining safety engineers and inspecto	257	261	265	269	273	277	20	8%	11	\$31.76	Bachelor's degree
29-1199	Health diagnosing and treating practitioners, all other	1,518	1,582	1,634	1,677	1,714	1,735	217	14%	71	\$22.22	Bachelor's degree
21-1091	Health educators	558	572	584	595	604	610	52	9%	22	\$18.96	Master's degree
29-9099	Healthcare practitioners and technical workers, all other	443	456	466	475	483	487	44	10%	24	\$20.45	Postsecondary vocational award
31-9099	Healthcare support workers, all other	1,816	1,869	1,913	1,951	1,984	2,005	189	10%	58	\$14.40	Short-term on-the-job training
29-2099	Healthcare technologists and technicians, all other	1,405	1,448	1,484	1,515	1,542	1,558	153	11%	59	\$18.31	Postsecondary vocational award
51-4191	Heat treating equipment setters, operators, and tenders, metal and plastic	64	64	64	65	65	67	3	5%	4	\$14.47	Moderate-term on-the-job training
47-3011	Helpers, brickmasons, blockmasons, stonemasons, and tile and marble s	439	437	442	451	462	482	43	10%	20	\$13.10	Short-term on-the-job training
47-3012	Helpers, carpenters	764	780	804	833	866	909	145	19%	45	\$13.42	Short-term on-the-job training
47-3019	Helpers, construction trades, all other	621	629	640	655	671	694	73	12%	27	\$12.52	Short-term on-the-job training
47-5081	Helpers, extraction workers	101	106	110	114	117	120	19	19%	6	\$14.71	Short-term on-the-job training
47-3014	Helpers, painters, paperhangers, plasterers, and stucco masons	206	210	215	221	227	235	29	14%	10	\$11.86	Short-term on-the-job training
47-3016	Helpers, roofers	403	413	422	432	441	450	47	12%	19	\$10.93	Short-term on-the-job training
49-9098	Helpers--Installation, maintenance, and repair workers	1,957	1,993	2,031	2,072	2,113	2,159	202	10%	134	\$11.06	Short-term on-the-job training
51-9198	Helpers--Production workers	3,347	3,276	3,245	3,240	3,254	3,316	(31)	(1%)	84	\$11.53	Short-term on-the-job training
47-4051	Highway maintenance workers	653	665	675	685	693	700	47	7%	27	\$14.97	Moderate-term on-the-job training
19-3093	Historians	19	19	20	21	21	22	3	16%	2	\$25.48	Master's degree

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53-7041	Hoist and winch operators	38	39	39	40	40	40	2	5%	2	\$15.39	Moderate-term on-the-job training
49-9031	Home appliance repairers	1,303	1,302	1,304	1,308	1,314	1,324	21	2%	29	\$14.05	Long-term on-the-job training
31-1011	Home health aides	7,734	8,220	8,643	9,022	9,370	9,622	1,888	24%	455	\$10.12	Short-term on-the-job training
35-9031	Hosts and hostesses, restaurant, lounge, and coffee shop	6,998	7,125	7,222	7,298	7,358	7,378	380	5%	563	\$9.40	Short-term on-the-job training
43-4081	Hotel, motel, and resort desk clerks	5,767	5,881	6,003	6,129	6,259	6,399	632	11%	328	\$10.14	Short-term on-the-job training
43-4161	Human resources assistants, except payroll and timekeeping	2,910	2,919	2,923	2,922	2,918	2,905	(5)	0%	92	\$16.10	Short-term on-the-job training
11-3049	Human resources managers, all other	606	618	630	640	651	659	53	9%	24	\$43.86	Degree plus work experience
13-1079	Human resources, training, and labor relations specialists, all other	3,531	3,630	3,726	3,820	3,913	4,000	469	13%	186	\$25.72	Bachelor's degree
19-2043	Hydrologists	114	117	120	122	124	124	10	9%	5	\$36.70	Master's degree
17-3026	Industrial engineering technicians	823	830	839	850	864	881	58	7%	28	\$20.09	Associate's degree
17-2112	Industrial engineers	3,955	4,027	4,109	4,199	4,294	4,404	449	11%	191	\$33.20	Bachelor's degree
49-9041	Industrial machinery mechanics	3,325	3,379	3,443	3,514	3,591	3,683	358	11%	119	\$20.15	Long-term on-the-job training
53-7051	Industrial truck and tractor operators	5,251	5,285	5,339	5,405	5,480	5,580	329	6%	223	\$14.18	Short-term on-the-job training
19-3032	Industrial-organizational psychologists	26	27	28	28	29	29	3	12%	2	\$15.38	Master's degree
43-4199	Information and record clerks, all other	4,105	4,066	4,021	3,970	3,914	3,849	(256)	(6%)	121	\$15.65	Short-term on-the-job training
51-9061	Inspectors, testers, sorters, samplers, and weighers	3,820	3,816	3,828	3,850	3,880	3,932	112	3%	95	\$17.15	Moderate-term on-the-job training
49-9099	Installation, maintenance, and repair workers, all other	5,514	5,685	5,842	5,989	6,128	6,246	732	13%	232	\$11.99	Moderate-term on-the-job training
25-9031	Instructional coordinators	1,495	1,551	1,602	1,648	1,692	1,726	231	15%	79	\$25.18	Master's degree
47-2131	Insulation workers, floor, ceiling, and wall	385	382	383	387	393	406	21	5%	19	\$15.48	Moderate-term on-the-job training
47-2132	Insulation workers, mechanical	435	449	465	482	500	521	86	20%	31	\$15.90	Moderate-term on-the-job training
13-1032	Insurance appraisers, auto damage	134	137	139	141	143	144	10	7%	6	\$25.09	Long-term on-the-job training
43-9041	Insurance claims and policy processing clerks	3,563	3,563	3,565	3,568	3,573	3,579	16	0%	73	\$15.96	Moderate-term on-the-job training
41-3021	Insurance sales agents	15,751	16,112	16,433	16,727	17,001	17,213	1,462	9%	673	\$23.50	Bachelor's degree
13-2053	Insurance underwriters	1,637	1,641	1,647	1,653	1,659	1,666	29	2%	66	\$26.27	Bachelor's degree
43-4111	Interviewers, except eligibility and loan	5,769	5,934	6,069	6,185	6,285	6,347	578	10%	253	\$13.04	Short-term on-the-job training
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	35,350	36,257	37,044	37,744	38,380	38,852	3,502	10%	1,369	\$10.35	Short-term on-the-job training
51-9071	Jewelers and precious stone and metal workers	1,021	1,039	1,055	1,070	1,085	1,098	77	8%	37	\$14.25	Postsecondary vocational award
51-5021	Job printers	516	509	505	503	503	506	(10)	(2%)	4	\$14.37	Long-term on-the-job training
23-1023	Judges, magistrate judges, and magistrates	56	56	57	57	57	57	1	2%	1	\$47.31	Degree plus work experience
25-2012	Kindergarten teachers, except special education	3,107	3,199	3,278	3,349	3,413	3,459	352	11%	133	\$28.39	Bachelor's degree
53-7062	Laborers and freight, stock, and material movers, hand	23,791	23,760	23,822	23,943	24,102	24,360	569	2%	922	\$11.55	Short-term on-the-job training
17-1012	Landscape architects	665	681	696	711	726	741	76	11%	27	\$30.08	Bachelor's degree
51-4034	Lathe and turning machine tool setters, operators, and tenders, metal and	133	130	128	126	124	124	(9)	(7%)	2	\$14.80	Moderate-term on-the-job training
51-6011	Laundry and dry-cleaning workers	4,538	4,640	4,730	4,810	4,883	4,936	398	9%	159	\$8.95	Moderate-term on-the-job training
23-2092	Law clerks	423	435	446	455	464	471	48	11%	16	\$16.91	Bachelor's degree
23-1011	Lawyers	10,770	11,067	11,319	11,541	11,739	11,874	1,104	10%	422	\$43.52	First professional degree
51-4192	Lay-out workers, metal and plastic	129	128	128	128	129	130	1	1%	4	\$17.04	Moderate-term on-the-job training
43-6012	Legal secretaries	3,257	3,331	3,398	3,460	3,517	3,563	306	9%	105	\$19.57	Postsecondary vocational award
11-1031	Legislators	275	278	281	283	284	285	10	4%	10	\$24.44	Degree plus work experience
25-4021	Librarians	1,759	1,796	1,826	1,851	1,874	1,887	128	7%	72	\$25.80	Master's degree

SOC Code	Description	2011 Jobs	2012 Jobs	2013 Jobs	2014 Jobs	2015 Jobs	2016 Jobs	Total Change	Total % Change	Annual Openings	2011 Avg Hourly Wage	Education Level
43-4121	Library assistants, clerical	1,194	1,224	1,249	1,273	1,294	1,310	116	10%	73	\$11.74	Short-term on-the-job training
25-4031	Library technicians	609	622	632	642	650	655	46	8%	37	\$13.53	Postsecondary vocational award
19-1099	Life scientists, all other	460	470	479	486	493	498	38	8%	17	\$33.21	Bachelor's degree
19-4099	Life, physical, and social science technicians, all other	713	727	739	750	760	766	53	7%	41	\$18.98	Associate's degree
33-9092	Lifeguards, ski patrol, and other recreational protective service workers	2,315	2,343	2,366	2,388	2,407	2,421	106	5%	178	\$10.11	Short-term on-the-job training
53-7033	Loading machine operators, underground mining	29	28	28	28	29	29	0	0%	1	\$18.02	Moderate-term on-the-job training
13-2071	Loan counselors	331	352	370	386	400	409	78	24%	19	\$15.93	Bachelor's degree
43-4131	Loan interviewers and clerks	4,957	5,026	5,093	5,159	5,224	5,292	335	7%	189	\$16.50	Short-term on-the-job training
13-2072	Loan officers	9,172	9,512	9,817	10,100	10,366	10,589	1,417	15%	384	\$24.33	Bachelor's degree
39-3093	Locker room, coatroom, and dressing room attendants	203	208	212	215	219	221	18	9%	14	\$10.32	Short-term on-the-job training
49-9094	Locksmiths and safe repairers	760	802	839	872	902	925	165	22%	45	\$13.40	Moderate-term on-the-job training
53-4019	Locomotive engineers and operators	446	439	434	432	432	437	(9)	(2%)	17	\$23.73	Moderate-term on-the-job training
45-4023	Log graders and scalers	42	42	42	42	42	43	1	2%	1	\$14.23	Moderate-term on-the-job training
45-4022	Logging equipment operators	232	234	236	238	241	245	13	6%	10	\$14.05	Moderate-term on-the-job training
45-4029	Logging workers, all other	31	31	31	31	31	31	0	0%	1	\$14.01	Moderate-term on-the-job training
53-7063	Machine feeders and offbearers	668	639	616	597	581	571	(97)	(15%)	8	\$13.51	Short-term on-the-job training
51-4041	Machinists	3,213	3,178	3,164	3,164	3,174	3,210	(3)	0%	59	\$18.77	Long-term on-the-job training
37-2012	Maids and housekeeping cleaners	34,919	35,868	36,671	37,372	37,996	38,424	3,505	10%	1,328	\$8.45	Short-term on-the-job training
43-9051	Mail clerks and mail machine operators, except postal service	2,093	2,069	2,050	2,033	2,016	2,002	(91)	(4%)	42	\$12.45	Short-term on-the-job training
49-9042	Maintenance and repair workers, general	20,779	21,245	21,680	22,095	22,494	22,847	2,068	10%	733	\$14.77	Moderate-term on-the-job training
49-9043	Maintenance workers, machinery	666	676	686	698	710	724	58	9%	22	\$16.79	Short-term on-the-job training
49-9095	Manufactured building and mobile home installers	135	138	141	143	146	148	13	10%	3	\$17.98	Moderate-term on-the-job training
17-2121	Marine engineers and naval architects	116	118	119	120	121	122	6	5%	4	\$31.13	Bachelor's degree
19-3021	Market research analysts	2,499	2,607	2,704	2,793	2,876	2,943	444	18%	156	\$23.22	Bachelor's degree
11-2021	Marketing managers	1,962	2,028	2,086	2,139	2,189	2,228	266	14%	95	\$43.29	Degree plus work experience
21-1013	Marriage and family therapists	455	467	477	485	491	495	40	9%	17	\$14.89	Master's degree
53-7199	Material moving workers, all other	645	652	658	664	670	675	30	5%	14	\$15.61	Moderate-term on-the-job training
17-2131	Materials engineers	201	203	205	208	210	214	13	6%	8	\$37.24	Bachelor's degree
19-2032	Materials scientists	24	25	25	26	26	27	3	13%	1	\$33.61	Bachelor's degree
15-2099	Mathematical scientists, all other	46	49	51	52	54	55	9	20%	3	\$18.90	Master's degree
15-2091	Mathematical technicians	37	38	38	38	38	39	2	5%	2	\$18.25	Master's degree
15-2021	Mathematicians	31	32	33	34	34	35	4	13%	2	\$35.39	Doctoral degree
51-3022	Meat, poultry, and fish cutters and trimmers	679	675	674	676	679	688	9	1%	31	\$12.00	Short-term on-the-job training
49-9011	Mechanical door repairers	127	132	137	143	149	154	27	21%	8	\$16.06	Moderate-term on-the-job training
17-3013	Mechanical drafters	514	515	518	521	525	530	16	3%	15	\$21.83	Postsecondary vocational award
17-3027	Mechanical engineering technicians	184	184	185	185	186	187	3	2%	4	\$21.34	Associate's degree
17-2141	Mechanical engineers	2,738	2,759	2,784	2,810	2,839	2,872	134	5%	98	\$35.05	Bachelor's degree
27-4099	Media and communication equipment workers, all other	345	349	352	355	358	360	15	4%	12	\$24.03	Moderate-term on-the-job training
27-3099	Media and communication workers, all other	1,314	1,341	1,363	1,382	1,398	1,408	94	7%	50	\$16.79	Long-term on-the-job training
29-2011	Medical and clinical laboratory technologists	2,678	2,745	2,799	2,844	2,883	2,904	226	8%	96	\$24.95	Bachelor's degree

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11-9111	Medical and health services managers	2,650	2,761	2,853	2,931	3,000	3,043	393	15%	129	\$36.34	Degree plus work experience
21-1022	Medical and public health social workers	1,497	1,552	1,599	1,640	1,677	1,702	205	14%	79	\$20.46	Bachelor's degree
51-9082	Medical appliance technicians	199	200	200	201	202	202	3	2%	5	\$18.66	Long-term on-the-job training
49-9062	Medical equipment repairers	915	948	981	1,013	1,046	1,078	163	18%	59	\$16.31	Associate's degree
19-1042	Medical scientists, except epidemiologists	984	1,034	1,080	1,123	1,163	1,195	211	21%	62	\$43.05	Doctoral degree
43-6013	Medical secretaries	4,585	4,769	4,925	5,062	5,185	5,269	684	15%	199	\$14.16	Postsecondary vocational award
31-9094	Medical transcriptionists	2,555	2,654	2,735	2,803	2,862	2,896	341	13%	97	\$11.88	Postsecondary vocational award
13-1121	Meeting and convention planners	1,948	2,008	2,062	2,112	2,158	2,197	249	13%	93	\$17.01	Bachelor's degree
21-1023	Mental health and substance abuse social workers	1,655	1,698	1,735	1,767	1,795	1,813	158	10%	74	\$15.93	Master's degree
21-1014	Mental health counselors	1,085	1,115	1,141	1,163	1,183	1,196	111	10%	46	\$16.97	Master's degree
27-1026	Merchandise displayers and window trimmers	1,428	1,469	1,505	1,536	1,564	1,584	156	11%	75	\$12.27	Moderate-term on-the-job training
51-4199	Metal workers and plastic workers, all other	416	411	408	409	410	416	0	0%	8	\$16.28	Moderate-term on-the-job training
51-4051	Metal-refining furnace operators and tenders	25	24	24	24	24	24	(1)	(4%)	1	\$15.07	Moderate-term on-the-job training
43-5041	Meter readers, utilities	392	389	386	382	378	374	(18)	(5%)	11	\$14.90	Short-term on-the-job training
19-1022	Microbiologists	92	95	97	98	100	100	8	9%	5	\$25.20	Doctoral degree
25-2022	Middle school teachers, except special and vocational education	8,257	8,510	8,730	8,929	9,111	9,246	989	12%	385	\$29.45	Bachelor's degree
55-9999	Military Occupations	25,336	25,385	25,425	25,460	25,490	25,508	172	1%	610	\$25.23	N/A
51-4035	Milling and planing machine setters, operators, and tenders, metal and plastic	45	44	44	44	43	44	(1)	(2%)	1	\$14.71	Moderate-term on-the-job training
49-9044	Millwrights	320	329	338	348	358	369	49	15%	16	\$21.90	Long-term on-the-job training
47-5042	Mine cutting and channeling machine operators	12	12	13	13	13	14	2	17%	1	\$39.51	Moderate-term on-the-job training
17-2151	Mining and geological engineers, including mining safety engineers	35	37	39	40	42	43	8	23%	2	\$21.75	Bachelor's degree
47-5049	Mining machine operators, all other	34	37	39	41	43	44	10	29%	3	\$21.11	Moderate-term on-the-job training
45-209A	Miscellaneous agricultural workers	6,109	6,006	5,954	5,935	5,942	6,018	(91)	(1%)	213	\$9.99	Short-term on-the-job training
51-9023	Mixing and blending machine setters, operators, and tenders	1,245	1,274	1,309	1,350	1,393	1,445	200	16%	62	\$13.73	Moderate-term on-the-job training
49-3042	Mobile heavy equipment mechanics, except engines	1,194	1,212	1,233	1,255	1,279	1,306	112	9%	45	\$19.74	Postsecondary vocational award
51-4061	Model makers, metal and plastic	55	55	56	56	57	58	3	5%	1	\$20.49	Moderate-term on-the-job training
51-7031	Model makers, wood	20	20	20	20	20	20	0	0%	1	\$14.62	Long-term on-the-job training
41-9012	Models	27	28	29	30	30	31	4	15%	1	\$10.24	Moderate-term on-the-job training
51-9195	Molders, shapers, and casters, except metal and plastic	427	422	420	421	425	433	6	1%	25	\$17.09	Moderate-term on-the-job training
51-4072	Molding, coremaking, and casting machine setters, operators, and tenders	472	468	466	468	471	480	8	2%	14	\$15.80	Moderate-term on-the-job training
39-3021	Motion picture projectionists	148	150	153	155	158	161	13	9%	9	\$10.69	Short-term on-the-job training
53-3099	Motor vehicle operators, all other	2,074	2,083	2,097	2,113	2,131	2,154	80	4%	53	\$10.82	Short-term on-the-job training
49-3051	Motorboat mechanics	487	495	504	513	522	530	43	9%	19	\$16.22	Long-term on-the-job training
53-5022	Motorboat operators	73	74	75	76	77	78	5	7%	4	\$12.93	Moderate-term on-the-job training
49-3052	Motorcycle mechanics	409	425	440	455	470	484	75	18%	23	\$16.19	Long-term on-the-job training
27-1014	Multi-media artists and animators	2,173	2,246	2,307	2,359	2,406	2,436	263	12%	101	\$13.30	Bachelor's degree
51-4081	Multiple machine tool setters, operators, and tenders, metal and plastic	380	372	367	365	364	367	(13)	(3%)	8	\$15.14	Moderate-term on-the-job training
25-4013	Museum Technicians and Conservators	104	105	107	109	110	111	7	7%	5	\$14.76	Master's degree
27-2041	Music directors and composers	2,201	2,245	2,281	2,313	2,340	2,358	157	7%	76	\$10.84	Degree plus work experience
49-9063	Musical instrument repairers and tuners	116	116	116	116	116	116	0	0%	4	\$12.07	Long-term on-the-job training

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27-2042	Musicians and singers	6,960	7,158	7,323	7,464	7,589	7,667	707	10%	282	\$11.37	Long-term on-the-job training
11-9121	Natural sciences managers	176	180	184	187	190	191	15	9%	8	\$50.57	Degree plus work experience
43-4141	New accounts clerks	1,353	1,377	1,398	1,415	1,431	1,443	90	7%	57	\$14.85	Work experience in a related field
39-2021	Nonfarm animal caretakers	6,236	6,411	6,558	6,686	6,800	6,874	638	10%	265	\$14.43	Short-term on-the-job training
17-2161	Nuclear engineers	119	122	125	127	128	130	11	9%	5	\$32.00	Bachelor's degree
29-2033	Nuclear medicine technologists	622	641	657	671	683	691	69	11%	23	\$31.26	Associate's degree
51-8011	Nuclear power reactor operators	23	23	24	25	26	27	4	17%	2	\$35.41	Long-term on-the-job training
19-4051	Nuclear technicians	54	56	57	58	60	60	6	11%	3	\$26.84	Associate's degree
51-4012	Numerical tool and process control programmers	69	68	68	67	67	68	(1)	(1%)	2	\$20.72	Long-term on-the-job training
31-1012	Nursing aides, orderlies, and attendants	22,648	23,409	24,069	24,658	25,195	25,584	2,936	13%	813	\$11.47	Postsecondary vocational award
29-9011	Occupational health and safety specialists	604	617	629	639	649	657	53	9%	31	\$31.14	Bachelor's degree
29-9012	Occupational health and safety technicians	60	62	64	65	67	68	8	13%	4	\$19.41	Postsecondary vocational award
29-1122	Occupational therapists	1,710	1,784	1,847	1,901	1,950	1,983	273	16%	86	\$29.77	Master's degree
43-9199	Office and administrative support workers, all other	3,434	3,503	3,555	3,594	3,624	3,631	197	6%	120	\$12.15	Short-term on-the-job training
43-9061	Office clerks, general	39,386	40,141	40,878	41,601	42,313	42,976	3,590	9%	1,255	\$12.08	Short-term on-the-job training
43-9071	Office machine operators, except computer	933	942	950	956	961	962	29	3%	38	\$12.34	Short-term on-the-job training
47-2073	Operating engineers and other construction equipment operators	3,918	3,975	4,046	4,127	4,215	4,325	407	10%	149	\$17.81	Moderate-term on-the-job training
15-2031	Operations research analysts	2,256	2,315	2,370	2,422	2,473	2,515	259	11%	117	\$29.13	Master's degree
51-9083	Ophthalmic laboratory technicians	465	476	486	496	505	512	47	10%	18	\$14.20	Moderate-term on-the-job training
29-2081	Opticians, dispensing	877	897	912	923	933	935	58	7%	30	\$17.20	Long-term on-the-job training
29-1041	Optometrists	585	608	628	646	662	673	88	15%	37	\$41.95	First professional degree
29-1022	Oral and maxillofacial surgeons	102	106	108	110	112	113	11	11%	5	\$96.49	First professional degree
43-4151	Order clerks	4,693	4,613	4,532	4,450	4,365	4,280	(413)	(9%)	135	\$13.48	Short-term on-the-job training
29-1023	Orthodontists	59	62	63	65	66	67	8	14%	3	\$76.29	First professional degree
29-2091	Orthotists and prosthetists	79	81	82	83	84	84	5	6%	3	\$31.45	Bachelor's degree
49-3053	Outdoor power equipment and other small engine mechanics	743	754	766	778	791	806	63	8%	28	\$13.54	Moderate-term on-the-job training
51-9111	Packaging and filling machine operators and tenders	2,972	2,951	2,951	2,963	2,985	3,032	60	2%	74	\$13.60	Short-term on-the-job training
53-7064	Packers and packagers, hand	7,037	6,953	6,909	6,894	6,896	6,946	(91)	(1%)	151	\$11.36	Short-term on-the-job training
47-2141	Painters, construction and maintenance	7,119	7,233	7,369	7,522	7,688	7,877	758	11%	274	\$17.25	Moderate-term on-the-job training
51-9123	Painting, coating, and decorating workers	516	525	534	543	551	560	44	9%	22	\$13.16	Short-term on-the-job training
51-9196	Paper goods machine setters, operators, and tenders	494	479	469	461	456	457	(37)	(7%)	12	\$12.81	Moderate-term on-the-job training
47-2142	Paperhangers	104	104	104	105	105	106	2	2%	1	\$17.15	Moderate-term on-the-job training
33-3041	Parking enforcement workers	69	70	71	71	72	72	3	4%	2	\$14.60	Short-term on-the-job training
53-6021	Parking lot attendants	2,673	2,699	2,714	2,723	2,726	2,716	43	2%	110	\$9.36	Short-term on-the-job training
41-2022	Parts salespersons	3,530	3,575	3,629	3,689	3,755	3,833	303	9%	185	\$13.95	Moderate-term on-the-job training
51-4062	Patternmakers, metal and plastic	30	31	32	33	34	35	5	17%	1	\$16.74	Moderate-term on-the-job training
51-7032	Patternmakers, wood	13	13	13	14	14	14	1	8%	0	\$14.84	Long-term on-the-job training
47-2071	Paving, surfacing, and tamping equipment operators	676	692	710	729	748	770	94	14%	30	\$16.21	Moderate-term on-the-job training
39-9021	Personal and home care aides	10,221	10,793	11,273	11,691	12,061	12,302	2,081	20%	544	\$8.41	Short-term on-the-job training
39-9099	Personal care and service workers, all other	5,021	5,125	5,213	5,289	5,356	5,400	379	8%	187	\$11.52	Short-term on-the-job training

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13-2052	Personal financial advisors	16,323	17,715	18,878	19,880	20,764	21,327	5,004	31%	1,177	\$22.49	Bachelor's degree
37-2021	Pest control workers	3,143	3,202	3,260	3,317	3,374	3,430	287	9%	172	\$13.01	Moderate-term on-the-job training
17-2171	Petroleum engineers	37	40	41	43	45	46	9	24%	3	\$42.31	Bachelor's degree
29-1051	Pharmacists	4,057	4,179	4,287	4,386	4,477	4,545	488	12%	188	\$51.57	First professional degree
31-9095	Pharmacy aides	1,128	1,137	1,141	1,141	1,138	1,128	0	0%	18	\$10.17	Short-term on-the-job training
29-2052	Pharmacy technicians	4,956	5,156	5,338	5,507	5,667	5,793	837	17%	293	\$13.38	Moderate-term on-the-job training
27-4021	Photographers	11,199	11,590	11,915	12,194	12,439	12,594	1,395	12%	505	\$15.31	Long-term on-the-job training
19-2099	Physical scientists, all other	259	266	271	275	278	279	20	8%	11	\$29.56	Bachelor's degree
29-1123	Physical therapists	2,980	3,120	3,239	3,342	3,434	3,495	515	17%	139	\$36.33	Master's degree
29-1071	Physician assistants	928	977	1,020	1,060	1,097	1,126	198	21%	56	\$43.68	Bachelor's degree
29-1069	Physicians and surgeons	10,603	11,076	11,471	11,812	12,113	12,305	1,702	16%	527	\$76.55	First professional degree
19-2012	Physicists	112	115	117	119	121	122	10	9%	5	\$58.86	Doctoral degree
47-2072	Pile-driver operators	77	77	78	79	80	82	5	6%	3	\$21.19	Moderate-term on-the-job training
47-2161	Plasterers and stucco masons	819	791	773	763	757	769	(50)	(6%)	18	\$19.42	Long-term on-the-job training
51-4193	Plating and coating machine setters, operators, and tenders, metal and pl	208	206	205	205	205	208	0	0%	8	\$13.85	Moderate-term on-the-job training
29-1081	Podiatrists	325	340	352	360	367	369	44	14%	14	\$42.16	First professional degree
43-5031	Police, fire, and ambulance dispatchers	1,542	1,586	1,629	1,669	1,708	1,743	201	13%	72	\$16.49	Moderate-term on-the-job training
19-3094	Political scientists	15	15	15	16	16	16	1	7%	1	\$36.74	Master's degree
43-5051	Postal service clerks	985	965	943	919	894	867	(118)	(12%)	21	\$25.29	Short-term on-the-job training
43-5052	Postal service mail carriers	4,660	4,653	4,633	4,601	4,562	4,504	(156)	(3%)	153	\$23.51	Short-term on-the-job training
43-5053	Postal service mail sorters, processors, and processing machine operator	2,367	2,283	2,195	2,105	2,014	1,918	(449)	(19%)	22	\$24.32	Short-term on-the-job training
11-9131	Postmasters and mail superintendents	88	87	85	83	81	79	(9)	(10%)	2	\$34.75	Work experience in a related field
25-1099	Postsecondary teachers	14,244	14,651	14,999	15,306	15,581	15,769	1,525	11%	553	\$38.37	Doctoral degree
51-4052	Pourers and casters, metal	40	39	39	39	39	40	0	0%	2	\$15.56	Moderate-term on-the-job training
49-9069	Precision instrument and equipment repairers, all other	195	197	199	201	203	205	10	5%	8	\$21.00	Moderate-term on-the-job training
51-5022	Prepress technicians and workers	410	398	389	382	378	377	(33)	(8%)	5	\$17.14	Postsecondary vocational award
25-2011	Preschool teachers, except special education	6,249	6,394	6,516	6,622	6,718	6,781	532	9%	232	\$11.28	Postsecondary vocational award
51-6021	Pressers, textile, garment, and related materials	1,297	1,293	1,293	1,297	1,303	1,313	16	1%	19	\$9.64	Short-term on-the-job training
51-5023	Printing machine operators	1,890	1,855	1,835	1,825	1,822	1,840	(50)	(3%)	46	\$15.85	Moderate-term on-the-job training
21-1092	Probation officers and correctional treatment specialists	1,140	1,170	1,199	1,226	1,253	1,278	138	12%	52	\$18.41	Bachelor's degree
43-3061	Procurement clerks	1,281	1,298	1,313	1,328	1,341	1,353	72	6%	54	\$15.78	Short-term on-the-job training
51-9199	Production workers, all other	1,577	1,553	1,543	1,541	1,545	1,566	(11)	(1%)	46	\$13.77	Moderate-term on-the-job training
43-5061	Production, planning, and expediting clerks	3,579	3,607	3,641	3,679	3,720	3,768	189	5%	127	\$18.69	Short-term on-the-job training
43-9081	Proofreaders and copy markers	265	270	275	279	283	286	21	8%	9	\$11.82	Short-term on-the-job training
11-9141	Property, real estate, and community association managers	24,666	26,021	27,138	28,087	28,913	29,412	4,746	19%	1,376	\$11.44	Bachelor's degree
29-1024	Prosthodontists	20	20	21	22	23	23	3	15%	1	\$54.16	First professional degree
33-9099	Protective service workers, all other	1,841	1,899	1,950	1,997	2,042	2,077	236	13%	172	\$14.94	Short-term on-the-job training
19-3039	Psychologists, all other	621	646	666	683	698	707	86	14%	35	\$27.25	Master's degree
27-3012	Public address system and other announcers	263	271	278	284	290	293	30	11%	13	\$11.99	Long-term on-the-job training
11-2031	Public relations managers	523	536	547	557	567	574	51	10%	23	\$40.30	Degree plus work experience

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27-3031	Public relations specialists	4,443	4,582	4,711	4,834	4,952	5,057	614	14%	228	\$23.53	Bachelor's degree
53-7072	Pump operators, except wellhead pumpers	74	74	73	73	73	73	(1)	(1%)	2	\$19.04	Moderate-term on-the-job training
13-1021	Purchasing agents and buyers, farm products	98	100	101	103	104	105	7	7%	4	\$27.16	Work experience in a related field
13-1023	Purchasing agents, except wholesale, retail, and farm products	4,461	4,560	4,659	4,760	4,862	4,965	504	11%	218	\$24.77	Work experience in a related field
11-3061	Purchasing managers	700	714	727	739	750	761	61	9%	32	\$42.68	Degree plus work experience
27-3011	Radio and television announcers	1,145	1,177	1,205	1,229	1,250	1,265	120	10%	56	\$22.99	Long-term on-the-job training
49-2021	Radio mechanics	83	83	82	82	82	83	0	0%	2	\$20.92	Postsecondary vocational award
27-4013	Radio operators	<10	<10	<10	<10	<10	<10	--	--	--	--	Moderate-term on-the-job training
49-3043	Rail car repairers	220	217	215	214	214	216	(4)	(2%)	6	\$21.14	Long-term on-the-job training
53-4099	Rail transportation workers, all other	99	97	96	96	96	96	(3)	(3%)	4	\$20.24	Moderate-term on-the-job training
53-4021	Railroad brake, signal, and switch operators	25	25	24	24	24	25	0	0%	1	\$29.94	Moderate-term on-the-job training
53-4031	Railroad conductors and yardmasters	374	366	361	358	357	360	(14)	(4%)	15	\$25.50	Moderate-term on-the-job training
47-4061	Rail-track laying and maintenance equipment operators	170	167	165	164	164	166	(4)	(2%)	6	\$22.18	Moderate-term on-the-job training
41-9021	Real estate brokers	12,786	13,482	14,057	14,550	14,981	15,247	2,461	19%	703	\$11.72	Work experience in a related field
41-9022	Real estate sales agents	41,620	43,902	45,806	47,448	48,896	49,821	8,201	20%	2,325	\$10.14	Postsecondary vocational award
43-4171	Receptionists and information clerks	17,589	18,019	18,387	18,711	19,001	19,207	1,618	9%	798	\$11.93	Short-term on-the-job training
39-9032	Recreation workers	6,732	6,921	7,084	7,230	7,363	7,458	726	11%	267	\$10.40	Short-term on-the-job training
29-1125	Recreational therapists	140	144	147	151	153	155	15	11%	8	\$18.09	Bachelor's degree
49-3092	Recreational vehicle service technicians	158	161	165	169	174	179	21	13%	8	\$17.29	Long-term on-the-job training
49-9045	Refractory materials repairers, except brickmasons	<10	<10	<10	<10	<10	<10	--	--	--	--	Moderate-term on-the-job training
53-7081	Refuse and recyclable material collectors	1,663	1,711	1,751	1,787	1,819	1,840	177	11%	84	\$17.95	Short-term on-the-job training
21-1015	Rehabilitation counselors	1,098	1,135	1,165	1,192	1,215	1,229	131	12%	48	\$14.61	Master's degree
47-2171	Reinforcing iron and rebar workers	591	596	607	620	636	660	69	12%	24	\$16.45	Long-term on-the-job training
21-2099	Religious workers, all other	900	912	923	932	940	946	46	5%	24	\$10.39	Bachelor's degree
27-3022	Reporters and correspondents	765	762	761	762	764	769	4	1%	25	\$19.47	Degree plus work experience
43-4181	Reservation and transportation ticket agents and travel clerks	5,191	5,313	5,437	5,565	5,697	5,823	632	12%	243	\$14.29	Short-term on-the-job training
39-9041	Residential advisors	635	647	657	665	671	673	38	6%	30	\$11.13	Moderate-term on-the-job training
41-2031	Retail salespersons	72,677	74,079	75,431	76,753	78,054	79,272	6,595	9%	3,346	\$12.18	Short-term on-the-job training
49-9096	Riggers	183	185	187	190	193	196	13	7%	6	\$18.83	Short-term on-the-job training
47-5051	Rock splitters, quarry	<10	<10	<10	<10	10	10	--	--	--	--	Moderate-term on-the-job training
51-4023	Rolling machine setters, operators, and tenders, metal and plastic	200	195	192	190	189	190	(10)	(5%)	4	\$14.39	Moderate-term on-the-job training
47-5061	Roof bolters, mining	<10	<10	<10	<10	<10	<10	--	--	--	--	Moderate-term on-the-job training
47-2181	Roofers	2,575	2,644	2,719	2,796	2,877	2,961	386	15%	123	\$16.45	Moderate-term on-the-job training
47-5012	Rotary drill operators, oil and gas	17	18	19	19	20	21	4	24%	1	\$15.06	Moderate-term on-the-job training
47-5071	Roustabouts, oil and gas	97	102	106	110	114	117	20	21%	6	\$14.37	Moderate-term on-the-job training
53-5011	Sailors and marine oilers	134	138	142	145	148	151	17	13%	9	\$16.75	Short-term on-the-job training
41-9099	Sales and related workers, all other	4,458	4,552	4,638	4,719	4,795	4,860	402	9%	180	\$15.38	Moderate-term on-the-job training
41-9031	Sales engineers	562	575	588	601	614	626	64	11%	33	\$37.32	Bachelor's degree
41-3099	Sales representatives, services, all other	19,324	19,752	20,173	20,591	21,007	21,401	2,077	11%	895	\$26.49	Moderate-term on-the-job training
41-4012	Sales representatives, wholesale and manufacturing, except technical anc	20,011	20,415	20,842	21,285	21,739	22,221	2,210	11%	906	\$26.27	Moderate-term on-the-job training

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41-4011	Sales representatives, wholesale and manufacturing, technical and scienti	6,808	6,984	7,158	7,330	7,502	7,670	862	13%	330	\$37.54	Moderate-term on-the-job training
51-7041	Sawing machine setters, operators, and tenders, wood	165	160	158	157	156	159	(6)	(4%)	4	\$11.91	Moderate-term on-the-job training
25-2031	Secondary school teachers, except special and vocational education	10,684	10,951	11,174	11,364	11,531	11,634	950	9%	501	\$30.02	Bachelor's degree
41-3031	Securities, commodities, and financial services sales agents	14,537	15,770	16,797	17,680	18,457	18,946	4,409	30%	1,327	\$23.55	Bachelor's degree
33-9032	Security guards	17,601	18,242	18,825	19,368	19,881	20,313	2,712	15%	905	\$10.70	Short-term on-the-job training
47-4091	Segmental pavers	11	11	11	11	11	12	1	9%	1	\$13.16	Moderate-term on-the-job training
25-3021	Self-enrichment education teachers	5,369	5,586	5,784	5,967	6,141	6,283	914	17%	265	\$13.36	Work experience in a related field
51-9141	Semiconductor processors	124	121	118	116	114	113	(11)	(9%)	3	\$15.74	Associate's degree
51-9012	Separating, filtering, clarifying, precipitating, and still machine setters, ope	261	263	265	268	272	277	16	6%	6	\$13.54	Moderate-term on-the-job training
53-6031	Service station attendants	187	188	189	191	193	195	8	4%	10	\$15.45	Short-term on-the-job training
47-5013	Service unit operators, oil, gas, and mining	45	47	49	51	53	54	9	20%	3	\$16.04	Moderate-term on-the-job training
27-1027	Set and exhibit designers	241	247	253	257	262	266	25	10%	12	\$16.54	Bachelor's degree
51-6051	Sewers, hand	181	181	181	181	181	181	0	0%	3	\$10.87	Short-term on-the-job training
51-6031	Sewing machine operators	1,594	1,589	1,589	1,592	1,598	1,619	25	2%	20	\$11.73	Moderate-term on-the-job training
39-5093	Shampooers	241	249	255	261	265	267	26	11%	9	\$12.01	Short-term on-the-job training
47-2211	Sheet metal workers	1,884	1,929	1,978	2,029	2,082	2,140	256	14%	96	\$18.47	Long-term on-the-job training
53-5031	Ship engineers	205	211	217	223	230	236	31	15%	15	\$35.28	Postsecondary vocational award
43-5071	Shipping, receiving, and traffic clerks	9,443	9,427	9,437	9,463	9,499	9,565	122	1%	275	\$13.02	Short-term on-the-job training
51-6041	Shoe and leather workers and repairers	100	99	98	98	98	98	(2)	(2%)	2	\$10.92	Long-term on-the-job training
51-6042	Shoe machine operators and tenders	16	15	14	13	12	12	(4)	(25%)	1	\$11.58	Moderate-term on-the-job training
53-7111	Shuttle car operators	<10	<10	<10	<10	<10	<10	--	--	--	--	Short-term on-the-job training
51-3023	Slaughterers and meat packers	39	37	36	35	34	34	(5)	(13%)	1	\$11.30	Moderate-term on-the-job training
39-1012	Slot key persons	452	485	512	535	555	567	115	25%	33	\$9.51	Postsecondary vocational award
21-1093	Social and human service assistants	2,277	2,344	2,400	2,450	2,494	2,524	247	11%	98	\$13.79	Moderate-term on-the-job training
19-4061	Social science research assistants	140	144	147	150	153	155	15	11%	9	\$21.18	Associate's degree
19-3099	Social scientists and related workers, all other	259	266	271	276	281	284	25	10%	18	\$28.77	Master's degree
21-1029	Social workers, all other	772	790	805	818	829	836	64	8%	32	\$20.33	Bachelor's degree
19-3041	Sociologists	40	41	42	43	44	45	5	13%	2	\$26.64	Master's degree
19-1013	Soil and plant Scientists	106	109	112	115	117	118	12	11%	6	\$26.00	Bachelor's degree
27-4014	Sound engineering technicians	330	330	331	332	334	335	5	2%	12	\$15.89	Postsecondary vocational award
25-2042	Special education teachers, middle school	1,114	1,152	1,186	1,217	1,245	1,267	153	14%	60	\$31.61	Bachelor's degree
25-2043	Special education teachers, secondary school	1,245	1,280	1,311	1,337	1,362	1,378	133	11%	59	\$32.84	Bachelor's degree
29-1127	Speech-language pathologists	2,183	2,273	2,348	2,412	2,469	2,505	322	15%	104	\$26.56	Master's degree
15-2041	Statisticians	148	152	155	158	160	161	13	9%	7	\$23.38	Master's degree
43-5081	Stock clerks and order fillers	38,545	39,001	39,494	40,012	40,548	41,126	2,581	7%	1,404	\$10.95	Short-term on-the-job training
47-2022	Stonemasons	189	187	187	187	188	191	2	1%	6	\$18.82	Long-term on-the-job training
47-2221	Structural iron and steel workers	572	575	584	595	608	628	56	10%	21	\$19.87	Long-term on-the-job training
51-2041	Structural metal fabricators and fitters	786	788	794	805	817	836	50	6%	28	\$15.32	Moderate-term on-the-job training
21-1011	Substance abuse and behavioral disorder counselors	989	1,024	1,053	1,079	1,101	1,116	127	13%	45	\$16.28	Master's degree
53-4041	Subway and streetcar operators	137	141	145	149	153	156	19	14%	8	\$23.86	Moderate-term on-the-job training

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45-1099	Supervisors, farming, fishing, and forestry workers	506	504	505	507	510	516	10	2%	17	\$16.98	Work experience in a related field
19-3022	Survey researchers	597	625	649	670	689	702	105	18%	37	\$12.15	Bachelor's degree
17-3031	Surveying and mapping technicians	2,142	2,175	2,207	2,237	2,265	2,291	149	7%	68	\$17.85	Moderate-term on-the-job training
17-1022	Surveyors	586	592	597	602	607	611	25	4%	20	\$28.38	Bachelor's degree
43-2011	Switchboard operators, including answering service	1,557	1,561	1,560	1,556	1,550	1,538	(19)	(1%)	36	\$10.85	Short-term on-the-job training
51-6052	Tailors, dressmakers, and custom sewers	1,605	1,602	1,600	1,599	1,598	1,599	(6)	0%	25	\$11.22	Long-term on-the-job training
53-7121	Tank car, truck, and ship loaders	113	115	116	117	118	119	6	5%	5	\$18.65	Moderate-term on-the-job training
47-2082	Tapers	151	148	146	144	143	143	(8)	(5%)	2	\$20.43	Moderate-term on-the-job training
13-2081	Tax examiners, collectors, and revenue agents	1,121	1,140	1,156	1,169	1,180	1,186	65	6%	53	\$20.40	Bachelor's degree
53-3041	Taxi drivers and chauffeurs	4,142	4,241	4,329	4,407	4,479	4,535	393	9%	153	\$9.95	Short-term on-the-job training
25-9041	Teacher assistants	12,859	13,170	13,427	13,647	13,840	13,960	1,101	9%	492	\$13.51	Short-term on-the-job training
25-3099	Teachers and instructors, all other	13,316	13,804	14,224	14,595	14,931	15,166	1,850	14%	575	\$17.65	Bachelor's degree
51-2092	Team assemblers	7,551	7,462	7,444	7,475	7,539	7,691	140	2%	231	\$12.81	Moderate-term on-the-job training
27-3042	Technical writers	647	663	678	692	705	717	70	11%	24	\$25.39	Bachelor's degree
49-2022	Telecommunications equipment installers and repairers, except line install	2,700	2,703	2,715	2,733	2,756	2,791	91	3%	78	\$20.13	Long-term on-the-job training
49-9052	Telecommunications line installers and repairers	2,364	2,377	2,398	2,424	2,454	2,494	130	5%	71	\$19.32	Long-term on-the-job training
41-9041	Telemarketers	8,025	8,051	8,059	8,051	8,032	7,991	(34)	0%	271	\$11.36	Short-term on-the-job training
43-2021	Telephone operators	196	199	201	204	206	209	13	7%	7	\$10.86	Short-term on-the-job training
43-3071	Tellers	7,047	7,220	7,377	7,523	7,660	7,780	733	10%	436	\$11.98	Short-term on-the-job training
47-2053	Terrazzo workers and finishers	60	62	65	67	70	74	14	23%	4	\$15.45	Long-term on-the-job training
51-6061	Textile bleaching and dyeing machine operators and tenders	<10	<10	<10	<10	<10	<10	--	--	--	--	Moderate-term on-the-job training
51-6062	Textile cutting machine setters, operators, and tenders	90	90	91	92	93	96	6	7%	3	\$10.67	Moderate-term on-the-job training
51-6063	Textile knitting and weaving machine setters, operators, and tenders	21	20	20	20	20	21	0	0%	0	\$12.02	Long-term on-the-job training
51-6064	Textile winding, twisting, and drawing out machine setters, operators, and	42	42	42	43	44	46	4	10%	2	\$13.65	Moderate-term on-the-job training
51-6099	Textile, apparel, and furnishings workers, all other	226	231	236	241	246	250	24	11%	8	\$13.09	Short-term on-the-job training
29-1129	Therapists, all other	1,192	1,251	1,299	1,340	1,375	1,396	204	17%	65	\$19.00	Bachelor's degree
47-2044	Tile and marble setters	1,132	1,160	1,192	1,227	1,265	1,308	176	16%	65	\$18.28	Long-term on-the-job training
51-2093	Timing device assemblers, adjusters, and calibrators	27	27	27	28	28	29	2	7%	1	\$12.09	Moderate-term on-the-job training
51-9197	Tire builders	87	82	77	74	71	70	(17)	(20%)	3	\$16.01	Moderate-term on-the-job training
49-3093	Tire repairers and changers	1,633	1,663	1,693	1,722	1,750	1,776	143	9%	63	\$11.25	Short-term on-the-job training
51-4111	Tool and die makers	365	362	362	363	366	373	8	2%	5	\$20.79	Long-term on-the-job training
51-4194	Tool grinders, filers, and sharpeners	88	87	87	87	88	89	1	1%	3	\$17.92	Moderate-term on-the-job training
39-6021	Tour guides and escorts	661	684	704	722	739	752	91	14%	46	\$13.68	Moderate-term on-the-job training
53-6041	Traffic technicians	103	104	106	108	109	110	7	7%	5	\$19.39	Short-term on-the-job training
11-3042	Training and development managers	318	326	333	340	346	352	34	11%	14	\$39.46	Degree plus work experience
13-1073	Training and development specialists	3,579	3,693	3,802	3,907	4,009	4,100	521	15%	198	\$23.87	Bachelor's degree
33-3052	Transit and railroad police	27	27	27	27	27	27	0	0%	1	\$19.95	Long-term on-the-job training
39-6032	Transportation attendants, except flight attendants and baggage porters	522	533	543	552	561	568	46	9%	21	\$10.81	Short-term on-the-job training
53-6051	Transportation inspectors	214	218	222	227	231	235	21	10%	9	\$25.27	Work experience in a related field
53-6099	Transportation workers, all other	1,376	1,404	1,431	1,458	1,484	1,508	132	10%	76	\$17.97	Short-term on-the-job training

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41-3041	Travel agents	3,083	3,195	3,323	3,463	3,616	3,783	700	23%	166	\$12.46	Postsecondary vocational award
39-6022	Travel guides	192	198	205	212	219	226	34	18%	15	\$15.11	Moderate-term on-the-job training
37-3013	Tree trimmers and pruners	690	738	781	821	859	890	200	29%	48	\$13.46	Short-term on-the-job training
53-3032	Truck drivers, heavy and tractor-trailer	26,274	26,530	26,873	27,277	27,726	28,297	2,023	8%	877	\$17.42	Moderate-term on-the-job training
53-3033	Truck drivers, light or delivery services	16,499	16,698	16,918	17,152	17,396	17,669	1,170	7%	529	\$13.95	Short-term on-the-job training
27-2023	Umpires, referees, and other sports officials	307	316	324	331	337	341	34	11%	13	\$15.83	Long-term on-the-job training
51-6093	Upholsterers	1,175	1,169	1,166	1,166	1,168	1,177	2	0%	13	\$11.83	Long-term on-the-job training
19-3051	Urban and regional planners	631	649	665	681	696	710	79	13%	28	\$29.20	Master's degree
39-3031	Ushers, lobby attendants, and ticket takers	1,854	1,887	1,916	1,940	1,962	1,975	121	7%	142	\$9.28	Short-term on-the-job training
29-1131	Veterinarians	974	1,005	1,031	1,053	1,073	1,086	112	11%	40	\$40.63	First professional degree
31-9096	Veterinary assistants and laboratory animal caretakers	1,132	1,158	1,178	1,194	1,206	1,209	77	7%	29	\$11.49	Short-term on-the-job training
29-2056	Veterinary technologists and technicians	1,578	1,621	1,657	1,687	1,714	1,731	153	10%	74	\$13.45	Associate's degree
25-2023	Vocational education teachers, middle school	145	147	150	151	152	153	8	6%	5	\$34.87	Degree plus work experience
25-2032	Vocational education teachers, secondary school	1,003	1,028	1,048	1,065	1,080	1,090	87	9%	46	\$34.02	Degree plus work experience
35-3031	Waiters and waitresses	53,906	54,855	55,592	56,181	56,660	56,852	2,946	5%	3,566	\$9.88	Short-term on-the-job training
49-9064	Watch repairers	70	70	70	70	70	70	0	0%	2	\$14.23	Long-term on-the-job training
51-8031	Water and liquid waste treatment plant and system operators	1,251	1,288	1,324	1,359	1,394	1,427	176	14%	62	\$19.78	Long-term on-the-job training
43-5111	Weighers, measurers, checkers, and samplers, recordkeeping	1,531	1,531	1,531	1,531	1,529	1,527	(4)	0%	58	\$13.69	Short-term on-the-job training
53-7073	Wellhead pumpers	36	38	40	42	43	44	8	22%	3	\$15.57	Moderate-term on-the-job training
13-1022	Wholesale and retail buyers, except farm products	1,409	1,427	1,444	1,460	1,475	1,489	80	6%	51	\$23.02	Work experience in a related field
51-7099	Woodworkers, all other	240	237	236	235	235	237	(3)	(1%)	6	\$14.36	Moderate-term on-the-job training
51-7042	Woodworking machine setters, operators, and tenders, except sawing	358	349	344	342	342	351	(7)	(2%)	11	\$13.82	Moderate-term on-the-job training
43-9022	Word processors and typists	1,528	1,556	1,578	1,595	1,608	1,613	85	6%	29	\$12.74	Moderate-term on-the-job training
27-3043	Writers and authors	5,404	5,599	5,760	5,899	6,021	6,099	695	13%	252	\$12.45	Bachelor's degree
19-1023	Zoologists and wildlife biologists	228	234	238	242	245	246	18	8%	11	\$24.78	Bachelor's degree

## **Data Sources and Calculations**

### **Industry Data**

In order to capture a complete picture of industry employment, EMSI basically combines covered employment data from Quarterly Census of Employment and Wages (QCEW) produced by the Department of Labor with total employment data in Regional Economic Information System (REIS) published by the Bureau of Economic Analysis (BEA), augmented with County Business Patterns (CBP) and Nonemployer Statistics (NES) published by the U.S. Census Bureau. Projections are based on the latest available EMSI industry data, 15-year past local trends in each industry, growth rates in statewide and (where available) sub-state area industry projections published by individual state agencies, and (in part) growth rates in national projections from the Bureau of Labor Statistics.

### **Occupation Data**

Organizing regional employment information by occupation provides a workforce-oriented view of the regional economy. EMSI's occupation data are based on EMSI's industry data and regional staffing patterns taken from the Occupational Employment Statistics program (U.S. Bureau of Labor Statistics). Wage information is partially derived from the American Community Survey. The occupation-to-program (SOC-to-CIP) crosswalk is based on one from the U.S. Department of Education, with customizations by EMSI.

### **Educational Attainment Data**

EMSI's educational attainment numbers are based on Census 1990, Census 2000, the Current Population Survey, and EMSI's demographic data. By combining these sources, EMSI interpolates for missing years and projects data at the county level. Educational attainment data cover only the population aged 25 years or more and indicate the highest level achieved.

### **State Data Sources**

This report uses state data from the following agencies: Florida Agency for Workforce Innovation.