



**Seventh Planning District Consortium  
WORKFORCE INVESTMENT PLAN PY 05- PY 06**

**Occupational Projections 2000 - 2010  
Demand List  
RLMA 7**

**(Listed Alphabetically)**

*Regional Labor Market Area 7 : Bossier, Bienville, Caddo, Claiborne, Desoto, Lincoln, Natchitoches, Sabine, Red River, & Webster*

Occ. Code	Occupational Title	2000 Estimate	2010 Projected	10 Year Growth	Annual New Growth	Annual Replacement	Annual Total Openings	2001 Regional Annual Avg. Wage	2001 State Annual Avg. Wage	Educational Requirements	Occupational License Required
13-2011	Accountants and Auditors	1,460	1,710	240	20	20	50	\$40,973	\$41,710	Bachelor's degree	YES
27-2011	Actors	*	*	*	*	*	*	N/A	21,060	Long-term Tng. & Exp.	
15-2011	Actuaries	*	*	*	*	*	*	N/A	66,670	Wk Exp.+ Bachelor's or higher degree	
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	20	20	0	0	0	0	N/A	52,220	Wk Exp.+ Bachelor's or higher degree	
11-3011	Administrative Services Managers	430	500	70	10	10	10	45,716	42,490	Wk Exp.+ Bachelor's or higher degree	
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	50	50	0	0	0	0	31,021	33,260	Bachelor's degree	
11-2011	Advertising and Promotions Managers	70	90	10	0	0	0	45,164	53,090	Wk Exp.+ Bachelor's or higher degree	
41-3011	Advertising Sales Agents	200	230	30	0	0	10	26,659	35,890	Mod.-term Tng. & Exp.	
17-2011	Aerospace Engineers	*	*	*	*	*	*	N/A	70,200	Bachelor's degree	
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	10	10	0	0	0	0	106,771	79,990	Wk Exp.+ Bachelor's or higher degree	
19-4011	Agricultural and Food Science Technicians	10	10	0	0	0	0	N/A	33,710	Associate degree	

17-2021	Agricultural Engineers	*	*	*	*	*	*	N/A	45,540	Bachelor's degree	YES
45-2091	Agricultural Equipment Operators	*	*	*	*	*	*	N/A	15,330	Mod.-term Tng. & Exp.	
45-2011	Agricultural Inspectors	50	50	0	0	0	0	N/A	29,440	Work Exp. in a related occ.	
25-1041	Agricultural Sciences Teachers, Postsecondary	10	10	0	0	0	0	N/A	46,360	Doctoral degree	
45-2099	Agricultural Workers, All Other	190	180	0	0	10	10	N/A	N/A	N/A	
53-2021	Air Traffic Controllers	40	40	10	0	0	0	60,672	57,340	Long-term Tng. & Exp.	
53-2099	Air Transportation Workers, All Other (OES Only)	*	*	*	*	*	*	N/A	27,120	Mod.-term Tng. & Exp.	
53-1011	Aircraft Cargo Handling Supervisors	10	10	0	0	0	0	N/A	41,730	Work Exp. in a related occ.	
49-3011	Aircraft Mechanics and Service Technicians	170	180	20	0	0	10	38,452	41,320	Postsecondary voc.	
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	10	10	0	0	0	0	N/A	39,360	Long-term Tng. & Exp.	
53-2011	Airline Pilots, Copilots, and Flight Engineers	70	80	0	0	0	0	63,884	66,310	Bachelor's degree	YES
21-9999	All Other Counselors, Social, and Religious Workers	240	290	50	10	0	10	N/A	N/A	N/A	
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	*	*	*	*	*	*	N/A	17,460	Mod.-term Tng. & Exp.	
39-3091	Amusement and Recreation Attendants	140	190	50	10	10	10	15,536	14,290	Short-term Tng. & Exp.	
29-1061	Anesthesiologists	40	50	10	0	0	0	99,748	114,650	First professional degree	YES
33-9011	Animal Control Workers	20	30	0	0	0	0	N/A	19,520	Mod.-term Tng. & Exp.	YES
39-2011	Animal Trainers	*	*	*	*	*	*	N/A	21,110	Mod.-term Tng. & Exp.	
19-3091	Anthropologists and Archeologists	*	*	*	*	*	*	N/A	34,210	Master's degree	
25-1061	Anthropology and Archeology Teachers, Postsecondary	*	*	*	*	*	*	N/A	49,570	Doctoral degree	
13-2021	Appraisers and Assessors of Real Estate	30	40	10	0	0	0	40,299	30,770	Postsecondary voc.	
23-1022	Arbitrators, Mediators, and Conciliators	10	10	0	0	0	0	N/A	53,450	Wk Exp.+ Bachelor's or higher degree	
17-1011	Architects, Except Landscape and Naval	40	40	0	0	0	0	44,883	56,790	Bachelor's degree	YES
17-1099	Architects, Surveyors, and Cartographers, All Other (OES Only)	20	30	10	0	0	0	N/A	39,100	Bachelor's degree	
17-3011	Architectural and Civil Drafters	70	80	10	0	0	0	29,123	35,320	Postsecondary voc.	
25-1031	Architecture Teachers, Postsecondary	20	20	0	0	0	0	N/A	54,630	Doctoral degree	
27-1099	Art and Design Workers, All Other (OES Only)	30	30	10	0	0	0	32,034	24,670	Bachelor's degree	

27-1011	Art Directors	10	10	0	0	0	0	N/A	42,670	Wk Exp.+ Bachelor's or higher degree	
25-1121	Art, Drama, and Music Teachers, Postsecondary	60	60	10	0	0	0	40,496	42,610	Doctoral degree	
51-2099	Assemblers and Fabricators, All Other	760	1,080	320	30	10	50	N/A	33,760	Mod.-term Tng. & Exp.	
27-2021	Athletes and Sports Competitors	20	20	0	0	0	0	N/A	81,620	Long-term Tng. & Exp.	YES
29-9091	Athletic Trainers	10	0	0	0	0	0	28,624	31,460	Bachelor's degree	YES
19-2021	Atmospheric and Space Scientists	10	10	0	0	0	0	N/A	57,540	Bachelor's degree	
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	*	*	*	*	*	*	N/A	58,390	Doctoral degree	
27-4011	Audio and Video Equipment Technicians	20	20	0	0	0	0	27,550	28,030	Long-term Tng. & Exp.	
29-1121	Audiologists	*	*	*	*	*	*	N/A	47,880	Master's degree	YES
25-9011	Audio-Visual Collections Specialists	10	10	0	0	0	0	N/A	31,220	Mod.-term Tng. & Exp.	
49-3021	Automotive Body and Related Repairers	360	460	100	10	10	20	25,085	27,720	Long-term Tng. & Exp.	
49-3022	Automotive Glass Installers and Repairers	160	220	60	10	0	10	21,717	23,520	Long-term Tng. & Exp.	
49-3023	Automotive Service Technicians and Mechanics	850	1,030	180	20	20	40	24,348	27,570	Postsecondary voc.	
49-2091	Avionics Technicians	30	30	0	0	0	0	39,855	40,170	Postsecondary voc.	
39-6011	Baggage Porters and Bellhops	170	200	30	0	10	10	14,056	16,100	Short-term Tng. & Exp.	
33-3011	Bailiffs	10	10	0	0	0	0	18,476	21,380	Mod.-term Tng. & Exp.	
51-3011	Bakers	140	170	30	0	0	10	17,421	18,490	Long-term Tng. & Exp.	
39-5011	Barbers	10	10	0	0	0	0	N/A	15,250	Postsecondary voc.	YES
35-3011	Bartenders	300	370	70	10	10	20	14,551	14,080	Short-term Tng. & Exp.	
49-3091	Bicycle Repairers	10	10	0	0	0	0	N/A	16,090	Mod.-term Tng. & Exp.	
43-3011	Bill and Account Collectors	310	380	70	10	10	20	22,936	23,200	Short-term Tng. & Exp.	
43-3021	Billing and Posting Clerks and Machine Operators	1,090	1,220	130	10	30	40	21,149	21,990	Short-term Tng. & Exp.	
51-5011	Bindery Workers	130	110	0	0	0	0	18,617	18,760	Mod.-term Tng. & Exp.	
19-1021	Biochemists and Biophysicists	10	10	0	0	0	0	N/A	37,560	Doctoral degree	
25-1042	Biological Science Teachers, Postsecondary	50	50	10	0	0	0	45,074	52,400	Doctoral degree	
19-4021	Biological Technicians	30	30	0	0	0	0	N/A	28,590	Associate degree	
17-2031	Biomedical Engineers	30	30	10	0	0	0	N/A	51,710	Bachelor's degree	

47-2011	Boilermakers	20	20	0	0	0	0	N/A	36,040	Long-term Tng. & Exp.	
51-5012	Bookbinders	*	*	*	*	*	*	N/A	30,790	Mod.-term Tng. & Exp.	
43-3031	Bookkeeping, Accounting, and Auditing Clerks	3,020	3,290	280	30	60	90	23,508	23,570	Mod.-term Tng. & Exp.	
47-2021	Brickmasons and Blockmasons	190	260	70	10	0	10	32,845	33,890	Long-term Tng. & Exp.	YES
53-6011	Bridge and Lock Tenders	50	40	0	0	0	0	24,926	24,400	Short-term Tng. & Exp.	
27-4012	Broadcast Technicians	40	40	0	0	0	0	17,315	24,840	Postsecondary voc.	
43-4011	Brokerage Clerks	*	*	*	*	*	*	24,342	26,400	Mod.-term Tng. & Exp.	
13-2031	Budget Analysts	50	60	10	0	0	0	46,927	46,860	Bachelor's degree	
37-9099	Building and Grounds Cleaning and Maintenance Workers, All Other (OES Only)	220	270	50	10	0	10	20,386	18,950	Short-term Tng. & Exp.	
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	350	390	40	0	10	10	29,424	29,680	Postsecondary voc.	
53-3022	Bus Drivers, School	1,470	1,430	0	0	40	40	13,385	14,770	Short-term Tng. & Exp.	
53-3021	Bus Drivers, Transit and Intercity	140	180	30	0	0	10	20,944	23,490	Mod.-term Tng. & Exp.	
13-1199	Business Operations Specialists, All Other	820	960	140	10	20	40	42,419	44,010	Bachelor's degree	
25-1011	Business Teachers, Postsecondary	80	90	10	0	0	0	55,912	52,320	Doctoral degree	
51-3021	Butchers and Meat Cutters	210	190	0	0	10	10	22,290	21,300	Long-term Tng. & Exp.	
51-7011	Cabinetmakers and Bench Carpenters	70	80	20	0	0	0	21,841	23,280	Long-term Tng. & Exp.	
49-9061	Camera and Photographic Equipment Repairers	*	*	*	*	*	*	N/A	28,930	Mod.-term Tng. & Exp.	
27-4031	Camera Operators, Television, Video, and Motion Picture	20	20	0	0	0	0	19,613	24,950	Mod.-term Tng. & Exp.	
53-5021	Captains, Mates, and Pilots of Water Vessels	20	20	0	0	0	0	53,207	49,180	Work Exp. in a related occ.	
29-2031	Cardiovascular Technologists and Technicians	200	260	60	10	0	10	26,147	29,420	Associate degree	
43-5011	Cargo and Freight Agents	230	360	140	10	10	20	N/A	30,470	Mod.-term Tng. & Exp.	
47-2031	Carpenters	1,430	1,650	220	20	20	50	27,285	28,120	Long-term Tng. & Exp.	
47-2041	Carpet Installers	40	50	0	0	0	0	N/A	24,750	Mod.-term Tng. & Exp.	
17-1021	Cartographers and Photogrammetrists	10	10	0	0	0	0	N/A	41,800	Bachelor's degree	YES
41-2011	Cashiers	6,330	7,410	1,070	110	290	400	14,375	13,950	Short-term Tng. & Exp.	
47-2051	Cement Masons and Concrete Finishers	310	360	50	10	0	10	27,796	25,890	Long-term Tng. & Exp.	

51-9191	Cementing and Gluing Machine Operators and Tenders	110	130	20	0	0	10	N/A	25,600	Mod.-term Tng. & Exp.	
35-1011	Chefs and Head Cooks	130	140	20	0	0	10	30,335	23,920	Postsecondary voc.	
17-2041	Chemical Engineers	40	30	0	0	0	0	73,168	74,020	Bachelor's degree	YES
51-9011	Chemical Equipment Operators and Tenders	50	60	10	0	0	0	35,038	43,790	Mod.-term Tng. & Exp.	
51-8091	Chemical Plant and System Operators	100	10	0	0	0	0	47,975	48,930	Long-term Tng. & Exp.	
19-4031	Chemical Technicians	40	30	0	0	0	0	43,632	48,340	Associate degree	
25-1052	Chemistry Teachers, Postsecondary	30	30	0	0	0	0	42,673	50,020	Doctoral degree	
19-2031	Chemists	50	50	0	0	0	0	42,616	54,630	Bachelor's degree	
11-1011	Chief Executives	1,340	1,530	180	20	40	60	\$69,440	\$90,320	Wk Exp.+ Bachelor's or higher degree	
39-9011	Child Care Workers	4,610	4,890	280	30	160	180	13,651	13,420	Short-term Tng. & Exp.	
21-1021	Child, Family, and School Social Workers	240	300	60	10	0	10	29,160	31,180	Bachelor's degree	YES
29-1011	Chiropractors	*	*	*	*	*	*	N/A	104,130	First professional degree	YES
27-2032	Choreographers	30	30	0	0	0	0	20,603	31,250	Work Exp. in a related occ.	YES
17-3022	Civil Engineering Technicians	130	130	0	0	0	0	N/A	34,410	Associate degree	
17-2051	Civil Engineers	270	270	0	0	0	0	63,630	62,320	Bachelor's degree	YES
13-1031	Claims Adjusters, Examiners, and Investigators	190	230	40	0	0	10	40,231	40,850	Long-term Tng. & Exp.	
53-7061	Cleaners of Vehicles and Equipment	920	1,250	330	30	40	70	16,277	15,730	Short-term Tng. & Exp.	
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	40	40	0	0	0	0	N/A	22,710	Mod.-term Tng. & Exp.	
21-2011	Clergy	10	10	0	0	0	0	41,150	35,700	Master's degree	
19-3031	Clinical, Counseling, and School Psychologists	60	70	10	0	0	0	43,525	43,390	Master's degree	
27-2022	Coaches and Scouts	60	70	10	0	0	0	45,050	49,540	Long-term Tng. & Exp.	
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	130	140	10	0	0	0	25,680	24,590	Mod.-term Tng. & Exp.	
51-2021	Coil Winders, Tapers, and Finishers	20	20	10	0	0	0	N/A	33,380	Short-term Tng. & Exp.	
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	170	190	20	0	0	10	29,199	27,950	Mod.-term Tng. & Exp.	
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	4,490	6,420	1,930	190	280	470	13,829	13,740	Short-term Tng. & Exp.	
27-1021	Commercial and Industrial Designers	*	*	*	*	*	*	N/A	46,920	Bachelor's degree	

53-2012	Commercial Pilots	90	80	0	0	0	0	76,997	60,190	Postsecondary voc.
43-2099	Communications Equipment Operators, All Other	10	10	0	0	0	0	25,818	20,520	Short-term Tng. & Exp.
25-1122	Communications Teachers, Postsecondary	30	40	10	0	0	0	42,254	45,470	Doctoral degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	160	190	40	0	0	10	29,591	33,730	Bachelor's degree
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	160	170	20	0	0	10	34,765	43,720	Long-term Tng. & Exp.
15-1011	Computer and Information Scientists, Research	10	10	0	0	0	0	N/A	50,940	Doctoral degree
11-3021	Computer and Information Systems Managers	260	370	110	10	0	20	59,530	60,100	Wk Exp.+ Bachelor's or higher degree
17-2061	Computer Hardware Engineers	30	40	0	0	0	0	59,004	60,330	Bachelor's degree
43-9011	Computer Operators	240	210	0	0	0	0	25,542	26,930	Mod.-term Tng. & Exp.
15-1021	Computer Programmers	200	200	10	0	0	10	48,824	49,970	Bachelor's degree
25-1021	Computer Science Teachers, Postsecondary	20	30	0	0	0	0	54,855	50,970	Doctoral degree
15-1031	Computer Software Engineers, Applications	70	90	20	0	0	0	52,374	61,010	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	40	70	30	0	0	0	54,566	63,560	Bachelor's degree
15-1099	Computer Specialists, All Other	120	190	60	10	0	10	32,961	38,730	Postsecondary voc.
15-1041	Computer Support Specialists	200	370	170	20	0	20	35,068	39,150	Associate degree
15-1051	Computer Systems Analysts	330	450	120	10	0	20	51,317	52,140	Bachelor's degree
49-2011	Computer, Automated Teller, and Office Machine Repairers	90	110	20	0	0	0	32,129	30,650	Postsecondary voc.
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	50	60	20	0	0	0	27,598	27,710	Long-term Tng. & Exp.
39-6012	Concierges	50	50	0	0	0	0	N/A	17,060	Work Exp. in a related occ.
19-1031	Conservation Scientists	50	60	10	0	0	0	N/A	54,490	Bachelor's degree
47-4011	Construction and Building Inspectors	100	130	30	0	0	10	33,200	34,410	Work Exp. in a related occ.
47-2061	Construction Laborers	1,620	1,950	330	30	20	50	20,066	20,790	Mod.-term Tng. & Exp.
11-9021	Construction Managers	320	400	80	10	10	10	50,766	54,350	Bachelor's degree
47-4999	Construction Trades and Related Workers, All Other (OES Only)	90	110	20	0	0	0	20,433	25,860	Work Exp. in a related occ.
47-5041	Continuous Mining Machine Operators	70	80	10	0	0	0	N/A	N/A	Mod.-term Tng. & Exp.

49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	10	10	0	0	0	0	32,056	36,980	Mod.-term Tng. & Exp.
53-7011	Conveyor Operators and Tenders	70	90	10	0	0	0	26,253	21,700	Short-term Tng. & Exp.
35-2011	Cooks, Fast Food	2,400	2,550	150	20	70	80	15,197	13,510	Short-term Tng. & Exp.
35-2012	Cooks, Institution and Cafeteria	1,690	1,630	0	0	50	50	13,553	14,250	Long-term Tng. & Exp.
35-2013	Cooks, Private Household	50	50	0	0	0	0	N/A	N/A	Long-term Tng. & Exp.
35-2014	Cooks, Restaurant	500	620	120	10	10	30	14,940	17,740	Long-term Tng. & Exp.
35-2015	Cooks, Short Order	510	570	60	10	20	20	13,812	14,000	Short-term Tng. & Exp.
33-3012	Correctional Officers and Jailers	810	1,090	280	30	20	50	19,702	23,340	Mod.-term Tng. & Exp.
43-4021	Correspondence Clerks	30	30	0	0	0	0	18,391	25,290	Short-term Tng. & Exp.
13-1051	Cost Estimators	270	330	50	10	10	10	39,579	45,390	Bachelor's degree
39-3092	Costume Attendants	10	10	0	0	0	0	N/A	23,120	Work Exp. in a related occ.
21-9099	Counselors, Social, and Religious Workers, All Other (OES Only)	380	480	100	10	10	20	27,067	28,840	Bachelor's degree
41-2021	Counter and Rental Clerks	520	720	200	20	20	40	18,710	17,920	Short-term Tng. & Exp.
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	850	1,020	170	20	70	80	13,610	13,280	Short-term Tng. & Exp.
43-5021	Couriers and Messengers	110	100	0	0	0	0	15,684	17,170	Short-term Tng. & Exp.
23-2091	Court Reporters	70	90	20	0	0	0	37,440	34,060	Postsecondary voc.
43-4031	Court, Municipal, and License Clerks	400	470	70	10	10	10	22,454	23,040	Short-term Tng. & Exp.
53-7021	Crane and Tower Operators	140	190	50	10	0	10	27,444	32,320	Mod.-term Tng. & Exp.
13-2041	Credit Analysts	50	60	10	0	0	0	35,615	52,260	Bachelor's degree
43-4041	Credit Authorizers, Checkers, and Clerks	80	90	10	0	0	0	21,417	21,600	Short-term Tng. & Exp.
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	10	10	0	0	0	0	N/A	42,910	Doctoral degree
33-9091	Crossing Guards	130	140	10	0	0	10	N/A	14,110	Short-term Tng. & Exp.
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	40	50	10	0	0	0	N/A	27,050	Mod.-term Tng. & Exp.
43-4051	Customer Service Representatives	1,940	2,560	630	60	20	80	22,657	21,400	Mod.-term Tng. & Exp.
51-9031	Cutters and Trimmers, Hand	30	30	10	0	0	0	21,165	20,430	Short-term Tng. & Exp.
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	140	150	10	0	0	0	N/A	25,240	Mod.-term Tng. & Exp.

YES

51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	550	550	0	0	10	10	20,542	21,290	Mod.-term Tng. & Exp.	
27-2031	Dancers	10	10	0	0	0	0	N/A	21,690	Long-term Tng. & Exp.	
43-9021	Data Entry Keyers	490	530	40	0	10	10	18,505	18,780	Mod.-term Tng. & Exp.	
15-1061	Database Administrators	30	50	10	0	0	0	49,738	47,070	Bachelor's degree	
41-9011	Demonstrators and Product Promoters	100	140	40	0	0	10	25,474	23,500	Mod.-term Tng. & Exp.	
31-9091	Dental Assistants	670	900	240	20	10	40	17,371	18,470	Mod.-term Tng. & Exp.	
29-2021	Dental Hygienists	350	480	120	10	10	20	44,396	43,210	Associate degree	YES
51-9081	Dental Laboratory Technicians	30	30	0	0	0	0	N/A	26,720	Long-term Tng. & Exp.	
29-1020	Dentist	350	400	40	10	0	10	105,740	95,512	First professional degree	YES
47-5011	Derrick Operators, Oil and Gas	260	270	0	0	10	10	40,107	37,670	Mod.-term Tng. & Exp.	
43-9031	Desktop Publishers	90	130	40	0	0	10	20,656	26,580	Postsecondary voc.	
33-3021	Detectives and Criminal Investigators	300	370	70	10	10	10	33,739	37,540	Work Exp. in a related occ.	
29-2032	Diagnostic Medical Sonographers	30	40	10	0	0	0	42,411	41,440	Associate degree	
29-2051	Dietetic Technicians	20	30	10	0	0	0	17,419	16,060	Mod.-term Tng. & Exp.	
29-1031	Dietitians and Nutritionists	80	80	10	0	0	0	38,584	37,870	Bachelor's degree	YES
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	440	450	20	0	20	20	13,522	13,390	Short-term Tng. & Exp.	
21-2021	Directors, Religious Activities and Education	10	10	0	0	0	0	N/A	27,210	Bachelor's degree	
35-9021	Dishwashers	610	600	0	0	20	20	13,105	13,130	Short-term Tng. & Exp.	
43-5032	Dispatchers, Except Police, Fire, and Ambulance	220	250	30	0	0	10	28,946	31,270	Mod.-term Tng. & Exp.	
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	210	200	0	0	10	10	38,444	33,440	Short-term Tng. & Exp.	
17-3099	Drafters, Engineering, and Mapping Technicians, All Other (OES Only)	220	260	40	0	10	10	31,047	41,300	Associate degree	
53-7031	Dredge Operators	*	*	*	*	*	*	N/A	22,960	Short-term Tng. & Exp.	
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	40	40	0	0	0	0	N/A	24,130	Mod.-term Tng. & Exp.	
53-3031	Driver/Sales Workers	660	670	10	0	10	10	24,444	22,750	Short-term Tng. & Exp.	
47-2081	Drywall and Ceiling Tile Installers	140	200	60	10	0	10	27,872	27,070	Mod.-term Tng. & Exp.	
25-1063	Economics Teachers, Postsecondary	10	10	0	0	0	0	N/A	58,840	Doctoral degree	

19-3011	Economists	10	10	0	0	0	0	N/A	57,920	Bachelor's degree	
27-3041	Editors	90	90	0	0	0	0	37,034	34,410	Bachelor's degree	
11-9032	Education Administrators, Elementary and Secondary School	690	710	30	0	20	20	54,185	54,390	Wk Exp.+ Bachelor's or higher degree	
11-9033	Education Administrators, Postsecondary	200	220	20	0	10	10	48,948	57,360	Wk Exp.+ Bachelor's or higher degree	
11-9031	Education Administrators, Preschool and Child Care Center/Program	40	50	10	0	0	0	28,288	28,360	Wk Exp.+ Bachelor's or higher degree	
25-1081	Education Teachers, Postsecondary	70	70	10	0	0	0	37,144	38,190	Doctoral degree	
21-1012	Educational, Vocational, and School Counselors	540	620	80	10	10	20	39,976	40,130	Bachelor's degree	
49-2092	Electric Motor, Power Tool, and Related Repairers	170	180	10	0	0	10	27,608	31,810	Postsecondary voc.	
17-3023	Electrical and Electronic Engineering Technicians	310	320	10	0	10	10	42,363	44,240	Associate degree	YES
51-2022	Electrical and Electronic Equipment Assemblers	60	50	0	0	0	0	27,247	24,670	Short-term Tng. & Exp.	
49-2099	Electrical and Electronic Equipment Mechanics, Installers, and Repairers, All Other (OES Only)	80	90	10	0	0	0	33,689	30,330	Postsecondary voc.	
17-3012	Electrical and Electronics Drafters	30	40	10	0	0	0	36,137	45,530	Postsecondary voc.	
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	30	40	10	0	0	0	27,372	33,990	Postsecondary voc.	
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	80	80	0	0	0	0	42,336	39,930	Postsecondary voc.	
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	60	30	0	0	0	0	N/A	46,660	Postsecondary voc.	
17-2071	Electrical Engineers	90	70	0	0	0	0	64,355	69,140	Bachelor's degree	YES
49-9051	Electrical Power-Line Installers and Repairers	140	110	0	0	10	10	39,978	39,750	Long-term Tng. & Exp.	
47-2111	Electricians	1,150	1,580	430	40	20	60	39,916	34,170	Long-term Tng. & Exp.	YES
51-2023	Electromechanical Equipment Assemblers	120	130	10	0	0	0	27,677	27,910	Short-term Tng. & Exp.	
17-3024	Electro-Mechanical Technicians	90	70	0	0	0	0	55,201	46,780	Associate degree	
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	*	*	*	*	*	*	31,512	28,210	Postsecondary voc.	
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	40	20	0	0	0	0	23,066	25,980	Postsecondary voc.	
17-2072	Electronics Engineers, Except Computer	20	20	0	0	0	0	51,566	62,680	Bachelor's degree	YES
25-2021	Elementary School Teachers, Except Special Education	2,860	2,970	120	10	90	100	34,119	33,670	Bachelor's degree	YES
43-4061	Eligibility Interviewers, Government Programs	190	170	0	0	10	10	N/A	26,900	Mod.-term Tng. & Exp.	

39-4011	Embalmers	10	10	0	0	0	0	24,205	37,010	Postsecondary voc.	
13-1061	Emergency Management Specialists	10	10	0	0	0	0	N/A	42,940	Work Exp. in a related occ.	
29-2041	Emergency Medical Technicians and Paramedics	180	270	90	10	10	10	26,898	25,120	Postsecondary voc.	YES
13-1071	Employment, Recruitment, and Placement Specialists	230	340	110	10	10	20	33,991	34,080	Bachelor's degree	
51-2031	Engine and Other Machine Assemblers	20	20	0	0	0	0	N/A	37,890	Short-term Tng. & Exp.	
11-9041	Engineering Managers	200	180	0	0	0	0	75,187	81,180	Wk Exp.+ Bachelor's or higher degree	
25-1032	Engineering Teachers, Postsecondary	60	70	10	0	0	0	N/A	64,630	Doctoral degree	
17-2199	Engineers, All Other	120	110	0	0	0	0	57,143	66,250	Bachelor's degree	
25-1123	English Language and Literature Teachers, Postsecondary	70	80	10	0	0	0	36,465	39,380	Doctoral degree	
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	90	120	30	0	0	10	N/A	26,550	Long-term Tng. & Exp.	
39-3099	Entertainment Attendants and Related Workers, All Other	30	40	10	0	0	0	N/A	N/A	Mod.-term Tng. & Exp.	
17-3025	Environmental Engineering Technicians	40	50	10	0	0	0	29,605	37,120	Associate degree	
17-2081	Environmental Engineers	20	20	0	0	0	0	65,819	58,400	Bachelor's degree	YES
19-4091	Environmental Science and Protection Technicians, Including Health	30	40	10	0	0	0	N/A	36,200	Associate degree	
19-2041	Environmental Scientists and Specialists, Including Health	90	100	10	0	0	0	N/A	40,760	Bachelor's degree	
19-1041	Epidemiologists	20	20	0	0	0	0	N/A	37,610	Doctoral degree	
51-9194	Etchers and Engravers	*	*	*	*	*	*	N/A	14,950	Long-term Tng. & Exp.	
53-7032	Excavating and Loading Machine and Dragline Operators	170	220	40	0	10	10	N/A	28,420	Mod.-term Tng. & Exp.	
43-6011	Executive Secretaries and Administrative Assistants	1,750	1,950	200	20	30	50	27,229	28,630	Mod.-term Tng. & Exp.	
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	*	*	*	*	*	*	N/A	31,560	Mod.-term Tng. & Exp.	
47-5099	Extraction Workers, All Other	430	360	0	0	20	20	N/A	29,400	Mod.-term Tng. & Exp.	
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	80	60	0	0	0	0	N/A	24,450	Mod.-term Tng. & Exp.	
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	10	10	0	0	0	0	N/A	24,950	Mod.-term Tng. & Exp.	
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	140	190	50	10	0	10	N/A	26,840	Mod.-term Tng. & Exp.	
51-	Fabric and Apparel Patternmakers	10	0	0	0	0	0	N/A	15,510	Long-term Tng. & Exp.	

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49-9093	Fabric Menders, Except Garment	*	*	*	*	*	*	N/A	24,820		Mod.-term Tng. & Exp.		
45-4021	Fallers	50	50	0	0	0	0	25,126	25,570		Mod.-term Tng. & Exp.		
29-1062	Family and General Practitioners	160	200	40	0	0	10	124,379	111,920		First professional degree	YES	
25-9021	Farm and Home Management Advisors	20	20	0	0	0	0	N/A	39,010		Bachelor's degree		
49-3041	Farm Equipment Mechanics	70	80	10	0	0	0	26,761	26,020		Postsecondary voc.		
11-9011	Farm, Ranch, and Other Agricultural Managers	50	60	10	0	0	0	N/A	41,390		Wk Exp.+ Bachelor's or higher degree		
11-9012	Farmers and Ranchers	10	10	0	0	0	0	N/A	N/A		Long-term Tng. & Exp.		
45-9099	Farming, Fishing, and Forestry Workers, All Other (OES Only)	140	160	20	0	0	10	22,748	21,660		Short-term Tng. & Exp.		
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	30	40	10	0	0	0	N/A	15,570		Long-term Tng. & Exp.		
45-2093	Farmworkers, Farm and Ranch Animals	30	30	0	0	0	0	14,774	17,110		Mod.-term Tng. & Exp.		
27-1022	Fashion Designers	*	*	*	*	*	*	N/A	39,230		Bachelor's degree		
43-4071	File Clerks	420	460	40	0	10	20	15,936	16,490		Short-term Tng. & Exp.		
27-4032	Film and Video Editors	20	30	10	0	0	0	36,216	35,570		Bachelor's degree		
13-2051	Financial Analysts	90	90	0	0	0	0	39,353	52,230		Bachelor's degree		
13-2061	Financial Examiners	40	60	10	0	0	0	57,559	50,250		Bachelor's degree		
11-3031	Financial Managers	760	860	100	10	10	20	54,292	56,530		Wk Exp.+ Bachelor's or higher degree		
13-2099	Financial Specialists, All Other	260	320	70	10	10	10	35,414	43,120		Bachelor's degree		
43-4999	Financial, Information, and Record Clerks, All Other (OES Only)	380	510	130	10	10	20	22,857	23,560		Short-term Tng. & Exp.		
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	10	10	0	0	0	0	N/A	21,600		Long-term Tng. & Exp.		
33-2011	Fire Fighters	430	480	50	10	10	20	N/A	27,190		Long-term Tng. & Exp.		
33-2021	Fire Inspectors and Investigators	80	90	10	0	0	0	N/A	24,580		Work Exp. in a related occ.		
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	1,250	1,480	230	20	30	50	33,554	40,800		Work Exp. in a related occ.		
33-1011	First-Line Supervisors/Managers of Correctional Officers	80	110	30	0	0	0	N/A	37,040		Work Exp. in a related occ.		
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	90	100	10	0	0	0	35,748	34,330		Mod.-term Tng. & Exp.		

33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	190	210	20	0	10	10	54,257	38,680	Work Exp. in a related occ.
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1,770	2,080	310	30	50	80	27,457	23,220	Work Exp. in a related occ.
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	380	420	40	0	10	10	36,340	36,130	Work Exp. in a related occ.
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	350	400	50	10	10	10	21,850	22,640	Work Exp. in a related occ.
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	90	100	10	0	0	0	31,344	28,520	Work Exp. in a related occ.
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	970	1,170	200	20	30	50	40,624	45,360	Work Exp. in a related occ.
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	340	380	50	10	10	10	36,505	44,910	Work Exp. in a related occ.
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	2,400	2,650	250	30	50	70	32,286	36,540	Work Exp. in a related occ.
39-1021	First-Line Supervisors/Managers of Personal Service Workers	160	200	40	0	0	10	25,944	24,300	Work Exp. in a related occ.
33-1012	First-Line Supervisors/Managers of Police and Detectives	200	240	40	0	10	10	41,817	41,270	Work Exp. in a related occ.
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	1,250	1,240	0	0	30	30	42,046	46,880	Work Exp. in a related occ.
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	2,230	2,600	370	40	30	70	27,930	29,320	Work Exp. in a related occ.
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	260	320	70	10	10	10	45,757	41,640	Work Exp. in a related occ.
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	210	280	70	10	10	10	34,116	30,290	Work Exp. in a related occ.
33-3031	Fish and Game Wardens	20	20	0	0	0	0	N/A	37,280	Long-term Tng. & Exp.
39-9031	Fitness Trainers and Aerobics Instructors	200	290	90	10	0	10	19,084	20,050	Postsecondary voc.
39-6031	Flight Attendants	90	150	70	10	0	10	N/A	50,550	Long-term Tng. & Exp.
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	10	10	0	0	0	0	N/A	23,740	Mod.-term Tng. & Exp.
47-2043	Floor Sanders and Finishers	10	20	10	0	0	0	N/A	25,180	Mod.-term Tng. & Exp.
27-1023	Floral Designers	110	120	10	0	0	0	19,435	16,600	Mod.-term Tng. & Exp.
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	10	10	0	0	0	0	N/A	20,380	Short-term Tng. & Exp.
51-3092	Food Batchmakers	*	*	*	*	*	*	29,032	22,360	Short-term Tng. & Exp.
51-3093	Food Cooking Machine Operators and Tenders	10	10	0	0	0	0	17,928	18,560	Short-term Tng. & Exp.

35-9099	Food Preparation and Serving Related Workers, All Other	530	570	40	0	20	20	14,465	14,170	Short-term Tng. & Exp.	
35-2021	Food Preparation Workers	760	930	170	20	30	50	14,444	13,860	Short-term Tng. & Exp.	
51-3099	Food Processing Workers, All Other (OES Only)	160	150	0	0	0	0	17,065	16,030	Short-term Tng. & Exp.	
35-3041	Food Servers, Nonrestaurant	250	330	80	10	10	20	13,160	13,710	Short-term Tng. & Exp.	
11-9051	Food Service Managers	520	650	130	10	10	20	35,495	37,630	Work Exp. in a related occ.	
25-1124	Foreign Language and Literature Teachers, Postsecondary	20	20	0	0	0	0	45,012	45,680	Doctoral degree	
19-4092	Forensic Science Technicians	*	*	*	*	*	*	N/A	54,130	Associate degree	YES
19-4093	Forest and Conservation Technicians	40	50	0	0	0	0	32,604	36,640	Associate degree	
45-4011	Forest and Conservation Workers	220	250	30	0	10	10	N/A	23,430	Mod.-term Tng. & Exp.	
33-2022	Forest Fire Inspectors and Prevention Specialists	*	*	*	*	*	*	N/A	30,390	Work Exp. in a related occ.	
19-1032	Foresters	60	70	10	0	0	0	46,196	51,290	Bachelor's degree	
25-1043	Forestry and Conservation Science Teachers, Postsecondary	10	10	0	0	0	0	N/A	55,940	Doctoral degree	
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	10	20	10	0	0	0	21,975	20,880	Mod.-term Tng. & Exp.	
51-4071	Foundry Mold and Coremakers	100	100	0	0	0	0	24,696	25,660	Mod.-term Tng. & Exp.	
39-4021	Funeral Attendants	70	110	40	0	0	10	14,817	16,570	Short-term Tng. & Exp.	
11-9061	Funeral Directors	180	240	60	10	0	10	24,237	35,820	Associate degree	YES
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	190	200	20	0	10	10	N/A	26,960	Mod.-term Tng. & Exp.	
51-7021	Furniture Finishers	20	20	0	0	0	0	20,376	20,710	Long-term Tng. & Exp.	
39-3012	Gaming and Sports Book Writers and Runners	30	40	10	0	0	0	N/A	19,250	Postsecondary voc.	
43-3041	Gaming Cage Workers	80	100	20	0	0	10	N/A	19,730	Short-term Tng. & Exp.	
41-2012	Gaming Change Persons and Booth Cashiers	700	1,000	300	30	30	60	18,431	18,070	Short-term Tng. & Exp.	
39-3011	Gaming Dealers	1,150	1,650	500	50	40	90	12,877	14,490	Postsecondary voc.	
11-9071	Gaming Managers	50	60	20	0	0	0	67,193	49,860	Wk Exp.+ Bachelor's or higher degree	
39-1011	Gaming Supervisors	380	500	110	10	10	20	N/A	38,520	Postsecondary voc.	
33-9031	Gaming Surveillance Officers and Gaming Investigators	480	560	80	10	10	20	20,415	21,960	Mod.-term Tng. & Exp.	
39-3199	Gaming Workers, All Other (OES Only)	70	90	20	0	0	10	18,582	16,570	Mod.-term Tng. & Exp.	

53-7071	Gas Compressor and Gas Pumping Station Operators	160	130	0	0	10	10	44,690	42,570	Mod.-term Tng. & Exp.	
51-8092	Gas Plant Operators	80	50	0	0	0	0	39,635	42,790	Long-term Tng. & Exp.	
11-1021	General and Operations Managers	4,690	5,350	650	70	80	140	60,931	61,880	Wk Exp.+ Bachelor's or higher degree	
19-3092	Geographers	*	*	*	*	*	*	N/A	55,480	Master's degree	
19-4041	Geological and Petroleum Technicians	70	70	10	0	0	0	40,691	48,400	Associate degree	
19-2042	Geoscientists, Except Hydrologists and Geographers	60	80	20	0	0	0	62,881	80,340	Bachelor's degree	
47-2121	Glaziers	50	60	10	0	0	0	29,299	29,450	Long-term Tng. & Exp.	
45-2041	Graders and Sorters, Agricultural Products	*	*	*	*	*	*	N/A	15,470	Work Exp. in a related occ.	
25-1191	Graduate Teaching Assistants	270	300	40	0	10	10	21,261	16,440	Bachelor's degree	
27-1024	Graphic Designers	50	50	0	0	0	0	25,260	29,860	Bachelor's degree	
51-9022	Grinding and Polishing Workers, Hand	150	170	30	0	0	10	20,875	20,760	Mod.-term Tng. & Exp.	
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	70	90	10	0	0	0	18,221	21,610	Mod.-term Tng. & Exp.	
39-5012	Hairdressers, Hairstylists, and Cosmetologists	300	410	120	10	10	20	18,693	18,450	Postsecondary voc.	YES
47-4041	Hazardous Materials Removal Workers	40	40	0	0	0	0	29,427	28,050	Mod.-term Tng. & Exp.	
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	50	50	0	0	0	0	56,773	58,670	Bachelor's degree	
29-1199	Health Diagnosing and Treating Practitioners, All Other	170	230	60	10	0	10	N/A	67,900	First professional degree	YES
21-1091	Health Educators	30	40	10	0	0	0	N/A	29,110	Master's degree	
29-9199	Health Professionals and Technicians, All Other (OES Only)	200	230	30	0	0	0	22,177	25,710	N/A	
25-1071	Health Specialties Teachers, Postsecondary	80	90	10	0	0	0	N/A	58,460	Doctoral degree	
29-9099	Healthcare Practitioners and Technical Workers, All Other	200	230	30	0	0	0	N/A	N/A	N/A	
31-9099	Healthcare Support Workers, All Other	330	390	60	10	10	20	19,580	19,580	Short-term Tng. & Exp.	YES
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	30	30	0	0	0	0	29,514	25,800	Mod.-term Tng. & Exp.	
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	440	600	170	20	10	20	27,039	27,020	Long-term Tng. & Exp.	
47-3019	Helpers, Construction Trades, All Other	100	160	50	10	10	10	N/A	18,610	Short-term Tng. & Exp.	

47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	190	270	80	10	10	20	22,214	22,350	Short-term Tng. & Exp.
47-3012	Helpers--Carpenters	130	150	20	0	10	10	19,981	21,090	Short-term Tng. & Exp.
47-3013	Helpers--Electricians	200	280	80	10	10	20	19,893	21,660	Short-term Tng. & Exp.
47-5081	Helpers--Extraction Workers	110	90	0	0	10	10	23,121	21,440	Short-term Tng. & Exp.
49-9098	Helpers--Installation, Maintenance, and Repair Workers	480	560	90	10	20	30	19,567	20,640	Short-term Tng. & Exp.
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	40	60	20	0	0	0	19,829	20,350	Short-term Tng. & Exp.
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	230	300	80	10	10	20	18,208	20,540	Short-term Tng. & Exp.
51-9198	Helpers--Production Workers	1,100	1,130	40	0	30	30	21,072	19,950	Short-term Tng. & Exp.
47-3016	Helpers--Roofers	110	160	50	10	10	10	16,079	17,360	Short-term Tng. & Exp.
47-4051	Highway Maintenance Workers	260	280	20	0	0	10	19,810	19,370	Mod.-term Tng. & Exp.
19-3093	Historians	*	*	*	*	*	*	N/A	N/A	Master's degree
25-1125	History Teachers, Postsecondary	30	30	0	0	0	0	N/A	46,570	Doctoral degree
53-7041	Hoist and Winch Operators	10	10	0	0	0	0	25,341	29,700	Mod.-term Tng. & Exp.
49-9031	Home Appliance Repairers	30	30	10	0	0	0	26,412	27,290	Long-term Tng. & Exp.
25-1192	Home Economics Teachers, Postsecondary	20	30	0	0	0	0	41,342	38,090	Doctoral degree
31-1011	Home Health Aides	340	420	80	10	0	10	16,605	17,010	Short-term Tng. & Exp.
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	430	490	60	10	10	20	13,728	14,210	Short-term Tng. & Exp.
43-4081	Hotel, Motel, and Resort Desk Clerks	420	580	160	20	20	30	15,231	15,170	Short-term Tng. & Exp.
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	190	220	20	0	0	10	25,616	27,460	Short-term Tng. & Exp.
19-2043	Hydrologists	10	10	0	0	0	0	N/A	52,270	Bachelor's degree
17-3026	Industrial Engineering Technicians	40	40	0	0	0	0	45,404	49,220	Associate degree
17-2112	Industrial Engineers	190	160	0	0	0	0	60,989	66,730	Bachelor's degree
49-9041	Industrial Machinery Mechanics	560	620	70	10	20	20	40,404	39,270	Long-term Tng. & Exp.
11-3051	Industrial Production Managers	330	310	0	0	10	10	57,682	66,310	Bachelor's degree
53-7051	Industrial Truck and Tractor Operators	1,410	1,510	100	10	20	30	24,983	23,850	Short-term Tng. & Exp.
19-3032	Industrial-Organizational Psychologists	*	*	*	*	*	*	N/A	55,860	Master's degree

YES

51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	600	710	110	10	10	30	27,226	32,760	Mod.-term Tng. & Exp.	
49-9099	Installation, Maintenance, and Repair Workers, All Other	440	520	70	10	10	20	32,871	30,000	Long-term Tng. & Exp.	YES
25-9031	Instructional Coordinators	60	70	10	0	0	0	39,560	38,910	Master's degree	
13-1032	Insurance Appraisers, Auto Damage	50	50	10	0	0	0	40,956	38,470	Long-term Tng. & Exp.	
43-9041	Insurance Claims and Policy Processing Clerks	230	190	0	0	0	0	33,212	26,500	Mod.-term Tng. & Exp.	
41-3021	Insurance Sales Agents	260	290	30	0	10	10	38,809	42,570	Bachelor's degree	
13-2053	Insurance Underwriters	160	160	0	0	0	0	37,114	36,140	Bachelor's degree	
27-1025	Interior Designers	30	30	0	0	0	0	33,664	33,540	Bachelor's degree	YES
29-1063	Internists, General	130	160	30	0	0	10	143,973	143,310	First professional degree	YES
27-3091	Interpreters and Translators	*	*	*	*	*	*	N/A	37,480	Long-term Tng. & Exp.	
43-4111	Interviewers, Except Eligibility and Loan	120	150	30	0	0	10	17,898	18,620	Short-term Tng. & Exp.	
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	3,770	4,330	560	60	70	120	14,509	15,420	Short-term Tng. & Exp.	
51-9071	Jewelers and Precious Stone and Metal Workers	20	20	0	0	0	0	22,531	26,640	Postsecondary voc.	
51-5021	Job Printers	50	60	10	0	0	0	30,557	25,960	Long-term Tng. & Exp.	
23-1023	Judges, Magistrate Judges, and Magistrates	30	40	0	0	0	0	N/A	28,820	Wk Exp.+ Bachelor's or higher degree	
25-2012	Kindergarten Teachers, Except Special Education	490	500	20	0	10	10	34,425	34,230	Bachelor's degree	
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	3,560	4,060	510	50	120	170	17,606	18,000	Short-term Tng. & Exp.	
17-1012	Landscape Architects	10	10	0	0	0	0	N/A	40,860	Bachelor's degree	
37-3011	Landscaping and Groundskeeping Workers	870	1,050	190	20	20	40	16,651	17,520	Short-term Tng. & Exp.	
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30	30	0	0	0	0	25,014	31,610	Mod.-term Tng. & Exp.	
51-6011	Laundry and Dry-Cleaning Workers	520	660	140	10	10	30	13,457	13,820	Mod.-term Tng. & Exp.	
23-2092	Law Clerks	60	60	10	0	0	0	30,992	29,250	Bachelor's degree	
23-1011	Lawyers	470	570	100	10	0	10	63,902	79,800	First professional degree	YES
51-4192	Lay-Out Workers, Metal and Plastic	30	30	0	0	0	0	23,581	28,110	Mod.-term Tng. & Exp.	
23-9099	Legal and Related Workers, All Other (OES Only)	130	160	20	0	0	0	31,631	30,860	Bachelor's degree	
43-6012	Legal Secretaries	890	940	50	10	20	20	26,503	29,700	Postsecondary voc.	

11-1031	Legislators	170	200	30	0	10	10	15,449	14,070	Wk Exp.+ Bachelor's or higher degree	
25-4021	Librarians	330	320	0	0	10	10	36,288	36,120	Master's degree	YES
43-4121	Library Assistants, Clerical	110	140	30	0	10	10	N/A	18,650	Short-term Tng. & Exp.	
25-1082	Library Science Teachers, Postsecondary	20	20	0	0	0	0	N/A	48,520	Doctoral degree	
25-4031	Library Technicians	190	220	30	0	10	10	18,675	20,220	Short-term Tng. & Exp.	
25-9199	Library, Museum, Training, and Other Education Workers, All Other (OES Only)	20	30	0	0	0	0	N/A	20,130	Bachelor's degree	
29-2061	Licensed Practical and Licensed Vocational Nurses	2,590	3,050	460	50	70	110	24,785	26,290	Postsecondary voc.	YES
19-1099	Life Scientists, All Other	10	10	0	0	0	0	N/A	49,350	Bachelor's degree	
19-4099	Life, Physical, and Social Science Technicians, All Other	180	190	10	0	10	10	26,352	45,290	Associate degree	
13-2071	Loan Counselors	20	40	20	0	0	0	31,451	26,210	Bachelor's degree	
43-4131	Loan Interviewers and Clerks	260	190	0	0	0	0	22,420	23,950	Short-term Tng. & Exp.	
13-2072	Loan Officers	360	350	0	0	10	10	37,840	38,430	Bachelor's degree	
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	20	20	0	0	0	0	N/A	16,840	Work Exp. in a related occ.	
49-9094	Locksmiths and Safe Repairers	10	10	0	0	0	0	N/A	24,280	Mod.-term Tng. & Exp.	
53-4011	Locomotive Engineers	50	80	30	0	0	10	N/A	57,040	Short-term Tng. & Exp.	
53-4012	Locomotive Firers	10	10	0	0	0	0	N/A	46,610	Mod.-term Tng. & Exp.	
11-9081	Lodging Managers	80	100	10	0	0	0	46,697	35,040	Work Exp. in a related occ.	
45-4023	Log Graders and Scalers	140	130	0	0	0	0	N/A	25,540	Mod.-term Tng. & Exp.	
45-4022	Logging Equipment Operators	380	380	0	0	10	10	28,325	28,880	Mod.-term Tng. & Exp.	
53-7063	Machine Feeders and Offbearers	630	520	0	0	20	20	24,149	20,340	Short-term Tng. & Exp.	
51-4041	Machinists	600	700	100	10	10	20	33,253	33,070	Long-term Tng. & Exp.	
37-2012	Maids and Housekeeping Cleaners	10,080	10,760	680	70	220	290	13,445	13,680	Short-term Tng. & Exp.	
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	110	110	0	0	0	0	18,315	17,490	Short-term Tng. & Exp.	
49-9042	Maintenance and Repair Workers, General	3,130	3,200	70	10	40	50	27,822	28,460	Long-term Tng. & Exp.	
49-9043	Maintenance Workers, Machinery	90	110	20	0	0	10	28,189	26,090	Long-term Tng. & Exp.	
13-1111	Management Analysts	140	200	50	10	0	10	60,466	54,550	Wk Exp.+ Bachelor's or higher degree	

11-9199	Managers, All Other	980	1,080	100	10	20	30	50,541	54,180	Work Exp. in a related occ.	
39-5092	Manicurists and Pedicurists	*	*	*	*	*	*	N/A	17,200	Postsecondary voc.	
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	*	*	20,459	24,150	Mod.-term Tng. & Exp.	
17-2121	Marine Engineers and Naval Architects	20	20	0	0	0	0	N/A	58,900	Bachelor's degree	
19-3021	Market Research Analysts	50	40	0	0	0	0	N/A	47,770	Bachelor's degree	
11-2021	Marketing Managers	150	180	30	0	0	10	54,424	60,110	Wk Exp.+ Bachelor's or higher degree	
21-1013	Marriage and Family Therapists	*	*	*	*	*	*	N/A	34,330	Master's degree	
31-9011	Massage Therapists	10	20	10	0	0	0	26,332	24,840	Postsecondary voc.	YES
53-7199	Material Moving Workers, All Other	100	130	30	0	0	10	20,613	26,750	Short-term Tng. & Exp.	
43-5199	Material Recording, Scheduling, Dispatching, and Distributing Workers, All Other (OES Only)	140	150	10	0	10	10	N/A	30,450	Short-term Tng. & Exp.	
17-2131	Materials Engineers	10	10	0	0	0	0	N/A	60,690	Bachelor's degree	YES
19-2032	Materials Scientists	*	*	*	*	*	*	N/A	50,440	Bachelor's degree	
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	*	*	N/A	N/A	Master's degree	
25-1022	Mathematical Science Teachers, Postsecondary	60	70	10	0	0	0	41,438	42,220	Doctoral degree	
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	480	520	50	10	10	20	18,240	16,660	Short-term Tng. & Exp.	
49-9011	Mechanical Door Repairers	*	*	*	*	*	*	N/A	41,480	Mod.-term Tng. & Exp.	
17-3013	Mechanical Drafters	80	80	10	0	0	0	36,837	44,470	Postsecondary voc.	
17-3027	Mechanical Engineering Technicians	10	0	0	0	0	0	45,573	46,670	Associate degree	
17-2141	Mechanical Engineers	140	150	10	0	0	10	67,051	69,320	Bachelor's degree	YES
27-4099	Media and Communication Equipment Workers, All Other	20	10	0	0	0	0	19,783	35,250	Mod.-term Tng. & Exp.	
27-3099	Media and Communication Workers, All Other	70	70	0	0	0	0	35,112	36,710	Long-term Tng. & Exp.	
29-2012	Medical and Clinical Laboratory Technicians	280	330	50	10	10	10	24,332	26,410	Associate degree	
29-2011	Medical and Clinical Laboratory Technologists	400	470	60	10	10	20	39,343	38,750	Bachelor's degree	YES
11-9111	Medical and Health Services Managers	620	800	180	20	10	30	54,140	54,760	Wk Exp.+ Bachelor's or higher degree	YES
21-1022	Medical and Public Health Social Workers	340	460	120	10	0	20	N/A	31,950	Bachelor's degree	YES
51-9082	Medical Appliance Technicians	10	10	0	0	0	0	N/A	34,870	Long-term Tng. & Exp.	
31-	Medical Assistants	470	730	260	30	10	40	20,631	20,030	Mod.-term Tng. & Exp.	





43-4151	Order Clerks	400	380	0	0	10	10	23,387	24,330	Short-term Tng. & Exp.	
29-2091	Orthotists and Prosthetists	20	20	0	0	0	0	N/A	42,000	Bachelor's degree	
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	50	60	10	0	0	0	21,668	20,740	Mod.-term Tng. & Exp.	
51-9111	Packaging and Filling Machine Operators and Tenders	1,010	1,250	240	20	20	50	16,156	19,820	Short-term Tng. & Exp.	
53-7064	Packers and Packagers, Hand	1,740	2,040	300	30	40	80	17,373	15,990	Short-term Tng. & Exp.	
47-2141	Painters, Construction and Maintenance	460	570	110	10	10	20	25,881	27,890	Mod.-term Tng. & Exp.	
51-9122	Painters, Transportation Equipment	10	20	0	0	0	0	33,102	25,420	Mod.-term Tng. & Exp.	
51-9123	Painting, Coating, and Decorating Workers	30	30	0	0	0	0	35,656	22,240	Short-term Tng. & Exp.	
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,040	1,070	30	0	20	20	32,461	36,290	Mod.-term Tng. & Exp.	
47-2142	Paperhangers	10	20	10	0	0	0	N/A	25,330	Mod.-term Tng. & Exp.	
23-2011	Paralegals and Legal Assistants	270	320	50	10	0	10	26,588	31,050	Associate degree	
33-3041	Parking Enforcement Workers	20	20	0	0	0	0	N/A	26,420	Short-term Tng. & Exp.	
53-6021	Parking Lot Attendants	210	260	50	10	0	10	14,729	15,020	Short-term Tng. & Exp.	
41-2022	Parts Salespersons	430	470	40	0	10	20	20,870	22,320	Mod.-term Tng. & Exp.	
51-7032	Patternmakers, Wood	40	60	20	0	0	0	N/A	22,440	Long-term Tng. & Exp.	
47-2071	Paving, Surfacing, and Tamping Equipment Operators	120	140	20	0	0	10	20,995	23,540	Mod.-term Tng. & Exp.	
43-3051	Payroll and Timekeeping Clerks	360	390	30	0	10	10	24,274	25,880	Short-term Tng. & Exp.	
29-1065	Pediatricians, General	250	320	70	10	0	10	114,809	111,200	First professional degree	YES
39-9021	Personal and Home Care Aides	740	1,240	500	50	10	60	13,092	13,240	Short-term Tng. & Exp.	
39-9099	Personal Care and Service Workers, All Other	590	780	190	20	10	30	15,325	15,200	Mod.-term Tng. & Exp.	
13-2052	Personal Financial Advisors	90	160	70	10	0	10	39,998	57,210	Bachelor's degree	
37-2021	Pest Control Workers	140	200	60	10	0	10	22,970	22,460	Mod.-term Tng. & Exp.	
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	60	70	0	0	0	0	25,425	21,160	Mod.-term Tng. & Exp.	
17-2171	Petroleum Engineers	60	60	0	0	0	0	82,115	84,850	Bachelor's degree	YES
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	300	280	0	0	10	10	43,827	43,730	Long-term Tng. & Exp.	
29-1051	Pharmacists	450	560	110	10	10	20	66,905	66,150	First professional degree	YES

31-9095	Pharmacy Aides	100	110	10	0	0	0	16,343	16,500	Short-term Tng. & Exp.	
29-2052	Pharmacy Technicians	410	530	130	10	10	20	20,298	19,340	Mod.-term Tng. & Exp.	YES
25-1126	Philosophy and Religion Teachers, Postsecondary	*	*	*	*	*	*	N/A	42,540	Doctoral degree	
27-4021	Photographers	100	130	30	0	0	10	20,196	21,270	Long-term Tng. & Exp.	
51-9131	Photographic Process Workers	*	*	*	*	*	*	N/A	18,500	Mod.-term Tng. & Exp.	
51-9132	Photographic Processing Machine Operators	20	30	0	0	0	0	N/A	16,230	Short-term Tng. & Exp.	
19-2099	Physical Scientists, All Other	10	10	0	0	0	0	N/A	77,550	Bachelor's degree	
31-2022	Physical Therapist Aides	70	100	30	0	0	10	16,198	16,680	Short-term Tng. & Exp.	YES
31-2021	Physical Therapist Assistants	30	40	10	0	0	0	35,902	30,240	Associate degree	
29-1123	Physical Therapists	120	160	40	0	0	10	57,410	64,970	Master's degree	YES
29-1071	Physician Assistants	20	30	10	0	0	0	61,480	46,630	Bachelor's degree	YES
29-1069	Physicians and Surgeons, All Other	20	30	10	0	0	0	135,009	137,060	First professional degree	YES
19-2012	Physicists	*	*	*	*	*	*	N/A	69,530	Doctoral degree	
25-1054	Physics Teachers, Postsecondary	20	20	0	0	0	0	52,710	53,260	Doctoral degree	
47-2072	Pile-Driver Operators	50	50	10	0	0	0	N/A	36,130	Mod.-term Tng. & Exp.	
47-2151	Pipelayers	80	100	20	0	0	0	27,803	23,540	Mod.-term Tng. & Exp.	
51-8099	Plant and System Operators, All Other	70	80	0	0	0	0	34,803	34,290	Long-term Tng. & Exp.	
47-2161	Plasterers and Stucco Masons	50	60	20	0	0	0	N/A	31,690	Long-term Tng. & Exp.	
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	20	20	0	0	0	0	N/A	21,440	Mod.-term Tng. & Exp.	
47-2152	Plumbers, Pipefitters, and Steamfitters	740	960	220	20	10	30	37,046	34,970	Long-term Tng. & Exp.	YES
29-1081	Podiatrists	*	*	*	*	*	*	N/A	79,950	First professional degree	YES
33-3051	Police and Sheriff's Patrol Officers	1,320	1,720	400	40	30	70	27,468	24,760	Long-term Tng. & Exp.	
43-5031	Police, Fire, and Ambulance Dispatchers	230	270	40	0	0	10	18,512	19,480	Mod.-term Tng. & Exp.	
25-1065	Political Science Teachers, Postsecondary	*	*	*	*	*	*	N/A	55,450	Doctoral degree	
19-3094	Political Scientists	*	*	*	*	*	*	N/A	N/A	Master's degree	
43-5051	Postal Service Clerks	210	210	0	0	10	10	37,677	38,210	Short-term Tng. & Exp.	
43-5052	Postal Service Mail Carriers	820	840	20	0	30	30	37,288	37,540	Short-term Tng. & Exp.	

43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	450	460	10	0	10	10	31,854	31,890	Short-term Tng. & Exp.	
11-9131	Postmasters and Mail Superintendents	80	80	0	0	0	0	46,887	48,220	Work Exp. in a related occ.	
25-1199	Postsecondary Teachers, All Other	1,020	1,150	130	10	30	40	62,112	51,280	Doctoral degree	
51-4052	Pourers and Casters, Metal	20	20	0	0	0	0	N/A	23,200	Mod.-term Tng. & Exp.	
51-8012	Power Distributors and Dispatchers	40	20	0	0	0	0	49,162	51,990	Long-term Tng. & Exp.	
51-8013	Power Plant Operators	40	50	10	0	0	0	41,800	41,060	Long-term Tng. & Exp.	
49-9069	Precision Instrument and Equipment Repairers, All Other	20	20	0	0	0	0	N/A	42,130	Long-term Tng. & Exp.	
51-5022	Prepress Technicians and Workers	60	40	0	0	0	0	26,406	26,430	Long-term Tng. & Exp.	
25-2011	Preschool Teachers, Except Special Education	380	470	100	10	0	10	20,659	19,670	Bachelor's degree	
51-6021	Pressers, Textile, Garment, and Related Materials	320	430	110	10	0	20	13,597	15,220	Short-term Tng. & Exp.	
51-5023	Printing Machine Operators	170	170	0	0	0	0	25,379	24,590	Mod.-term Tng. & Exp.	
51-5099	Printing Workers, All Other (OES Only)	10	10	0	0	0	0	N/A	21,940	Mod.-term Tng. & Exp.	
33-9021	Private Detectives and Investigators	40	50	0	0	0	0	22,986	26,650	Work Exp. in a related occ.	YES
21-1092	Probation Officers and Correctional Treatment Specialists	80	100	20	0	0	0	N/A	34,500	Bachelor's degree	
43-3061	Procurement Clerks	120	110	0	0	0	0	25,060	26,670	Short-term Tng. & Exp.	
27-2012	Producers and Directors	70	90	20	0	0	0	40,454	32,060	Wk Exp.+ Bachelor's or higher degree	
51-9199	Production Workers, All Other	2,090	2,250	170	20	40	50	29,425	26,710	Mod.-term Tng. & Exp.	
43-5061	Production, Planning, and Expediting Clerks	280	310	30	0	10	10	28,377	31,700	Short-term Tng. & Exp.	
43-9081	Proofreaders and Copy Markers	30	30	0	0	0	0	19,231	20,200	Short-term Tng. & Exp.	
11-9141	Property, Real Estate, and Community Association Managers	340	390	60	10	10	10	21,988	30,270	Bachelor's degree	
33-9099	Protective Service Workers, All Other	170	210	30	0	10	20	24,016	24,630	Short-term Tng. & Exp.	
31-1013	Psychiatric Aides	360	450	100	10	10	10	17,207	16,910	Short-term Tng. & Exp.	
29-2053	Psychiatric Technicians	70	110	30	0	0	10	17,906	17,860	Postsecondary voc.	
29-1066	Psychiatrists	*	*	*	*	*	*	N/A	142,040	First professional degree	YES
25-1066	Psychology Teachers, Postsecondary	50	60	10	0	0	0	N/A	59,920	Doctoral degree	
11-2031	Public Relations Managers	90	110	30	0	0	0	52,757	49,010	Wk Exp.+ Bachelor's or higher degree	

27-3031	Public Relations Specialists	70	90	20	0	0	0	34,305	37,070	Bachelor's degree	
53-7072	Pump Operators, Except Wellhead Pumpers	90	80	0	0	0	0	36,834	40,040	Mod.-term Tng. & Exp.	
13-1021	Purchasing Agents and Buyers, Farm Products	20	20	0	0	0	0	33,398	31,140	Work Exp. in a related occ.	
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	260	290	30	0	10	10	39,821	39,690	Bachelor's degree	
11-3061	Purchasing Managers	180	170	0	0	10	10	50,130	46,970	Wk Exp.+ Bachelor's or higher degree	
29-1124	Radiation Therapists	*	*	*	*	*	*	N/A	45,580	Associate degree	
29-2034	Radiologic Technologists and Technicians	350	420	70	10	10	20	32,813	32,590	Associate degree	YES
49-3043	Rail Car Repairers	50	50	0	0	0	0	N/A	40,240	Long-term Tng. & Exp.	
53-4099	Rail Transportation Workers, All Other	60	70	10	0	0	0	N/A	33,260	Short-term Tng. & Exp.	
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	20	20	0	0	0	0	N/A	55,400	Work Exp. in a related occ.	
53-4021	Railroad Brake, Signal, and Switch Operators	40	20	0	0	0	0	N/A	57,140	Work Exp. in a related occ.	
53-4031	Railroad Conductors and Yardmasters	100	130	30	0	10	10	N/A	59,590	Work Exp. in a related occ.	
47-4061	Rail-Track Laying and Maintenance Equipment Operators	10	10	0	0	0	0	N/A	30,440	Mod.-term Tng. & Exp.	
41-9022	Real Estate Sales Agents	80	100	10	0	0	0	19,632	35,920	Postsecondary voc.	YES
43-4171	Receptionists and Information Clerks	1,640	2,080	440	40	40	80	17,805	18,130	Short-term Tng. & Exp.	YES
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	20	30	0	0	0	0	N/A	35,840	Master's degree	
39-9032	Recreation Workers	270	330	60	10	10	10	19,239	16,210	Short-term Tng. & Exp.	
29-1125	Recreational Therapists	40	40	0	0	0	0	22,767	27,050	Bachelor's degree	
49-3092	Recreational Vehicle Service Technicians	20	30	10	0	0	0	26,701	25,410	Long-term Tng. & Exp.	
53-7081	Refuse and Recyclable Material Collectors	100	100	10	0	0	10	19,799	16,360	Short-term Tng. & Exp.	
29-1111	Registered Nurses	3,860	4,770	900	90	80	170	42,296	44,100	Associate degree	YES
21-1015	Rehabilitation Counselors	40	50	10	0	0	0	24,719	29,970	Master's degree	YES
47-2171	Reinforcing Iron and Rebar Workers	30	30	10	0	0	0	N/A	31,610	Long-term Tng. & Exp.	
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	120	160	40	0	0	10	19,375	26,530	Short-term Tng. & Exp.	
39-9041	Residential Advisors	40	40	10	0	0	0	20,241	17,110	Mod.-term Tng. & Exp.	
29-1126	Respiratory Therapists	170	230	60	10	0	10	34,958	36,140	Associate degree	YES

29-2054	Respiratory Therapy Technicians	160	210	50	10	0	10	30,150	31,790	Postsecondary voc.	
41-2031	Retail Salespersons	5,700	6,610	920	90	220	310	18,976	18,900	Short-term Tng. & Exp.	
49-9096	Riggers	20	20	0	0	0	0	32,647	26,570	Short-term Tng. & Exp.	
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	*	*	26,873	26,340	Mod.-term Tng. & Exp.	
47-2181	Roofers	90	130	40	0	0	10	22,892	23,960	Mod.-term Tng. & Exp.	
47-5012	Rotary Drill Operators, Oil and Gas	180	160	0	0	10	10	33,309	47,690	Mod.-term Tng. & Exp.	
47-5071	Roustabouts, Oil and Gas	330	290	0	0	10	10	21,994	23,560	Mod.-term Tng. & Exp.	
53-5011	Sailors and Marine Oilers	60	70	20	0	0	0	28,326	28,030	Short-term Tng. & Exp.	YES
41-9099	Sales and Related Workers, All Other	480	610	130	10	10	20	29,865	28,600	Mod.-term Tng. & Exp.	YES
41-9031	Sales Engineers	90	80	0	0	0	0	45,560	47,370	Bachelor's degree	
11-2022	Sales Managers	540	700	160	20	10	20	56,634	58,080	Wk Exp.+ Bachelor's or higher degree	
41-3099	Sales Representatives, Services, All Other	10	10	0	0	0	0	N/A	N/A	Mod.-term Tng. & Exp.	
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,860	1,970	120	10	50	60	36,064	39,920	Mod.-term Tng. & Exp.	
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	490	490	0	0	10	10	40,408	50,610	Mod.-term Tng. & Exp.	
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	190	230	30	0	10	10	24,815	22,830	Mod.-term Tng. & Exp.	
25-2031	Secondary School Teachers, Except Special and Vocational Education	1,890	1,950	60	10	50	60	34,527	34,410	Bachelor's degree	YES
43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers, All Other (OES Only)	1,310	1,360	40	0	20	30	21,926	23,870	Short-term Tng. & Exp.	
43-6014	Secretaries, Except Legal, Medical, and Executive	4,110	4,110	0	0	70	70	20,570	21,030	Mod.-term Tng. & Exp.	
41-3031	Securities, Commodities, and Financial Services Sales Agents	100	160	60	10	0	10	66,914	69,410	Bachelor's degree	
33-9032	Security Guards	1,900	2,770	860	90	50	140	18,582	16,800	Short-term Tng. & Exp.	YES
25-3021	Self-Enrichment Education Teachers	540	620	80	10	10	10	29,124	28,970	Work Exp. in a related occ.	
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	70	90	20	0	0	0	N/A	31,980	Mod.-term Tng. & Exp.	
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	50	60	10	0	0	0	N/A	29,100	Mod.-term Tng. & Exp.	
53-6031	Service Station Attendants	150	130	0	0	10	10	15,844	15,900	Short-term Tng. & Exp.	
47-	Service Unit Operators, Oil, Gas, and Mining	40	30	0	0	0	0	33,655	31,620	Mod.-term Tng. & Exp.	

5013											
51-6051	Sewers, Hand	10	20	0	0	0	0	N/A	15,160	Short-term Tng. & Exp.	
51-6031	Sewing Machine Operators	310	220	0	0	0	0	18,068	15,170	Mod.-term Tng. & Exp.	
39-5093	Shampooers	10	10	0	0	0	0	N/A	13,590	Short-term Tng. & Exp.	
47-2211	Sheet Metal Workers	290	430	130	10	10	20	29,138	28,390	Mod.-term Tng. & Exp.	
53-5031	Ship Engineers	20	30	0	0	0	0	N/A	48,200	Postsecondary voc.	
43-5071	Shipping, Receiving, and Traffic Clerks	1,060	1,170	100	10	20	30	22,934	22,610	Short-term Tng. & Exp.	
49-9097	Signal and Track Switch Repairers	20	20	0	0	0	0	N/A	42,880	Long-term Tng. & Exp.	
39-5094	Skin Care Specialists	*	*	*	*	*	*	N/A	20,600	Postsecondary voc.	
51-3023	Slaughterers and Meat Packers	50	50	0	0	0	0	N/A	16,440	Mod.-term Tng. & Exp.	
39-1012	Slot Key Persons	290	370	80	10	10	20	N/A	20,240	Postsecondary voc.	
11-9151	Social and Community Service Managers	120	150	30	0	0	10	33,682	40,580	Bachelor's degree	
21-1093	Social and Human Service Assistants	380	600	230	20	10	30	17,662	19,280	Mod.-term Tng. & Exp.	
19-3099	Social Scientists and Related Workers, All Other	60	70	10	0	0	0	41,317	43,160	Master's degree	
25-1113	Social Work Teachers, Postsecondary	*	*	*	*	*	*	N/A	45,420	Doctoral degree	
25-1067	Sociology Teachers, Postsecondary	10	20	0	0	0	0	37,317	47,380	Doctoral degree	
25-2042	Special Education Teachers, Middle School	180	190	20	0	10	10	33,287	32,140	Bachelor's degree	
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	490	540	50	10	0	10	29,399	30,800	Bachelor's degree	
25-2043	Special Education Teachers, Secondary School	230	240	10	0	0	10	N/A	38,420	Bachelor's degree	
29-1127	Speech-Language Pathologists	40	50	10	0	0	0	53,443	51,430	Master's degree	
51-8021	Stationary Engineers and Boiler Operators	90	80	0	0	0	0	36,812	36,350	Long-term Tng. & Exp.	
43-9111	Statistical Assistants	10	10	0	0	0	0	N/A	32,540	Mod.-term Tng. & Exp.	
15-2041	Statisticians	10	10	0	0	0	0	N/A	59,770	Master's degree	
43-5081	Stock Clerks and Order Fillers	3,210	3,750	530	50	110	170	17,515	18,220	Short-term Tng. & Exp.	
47-2022	Stonemasons	80	110	40	0	0	10	N/A	24,640	Long-term Tng. & Exp.	
47-2221	Structural Iron and Steel Workers	110	160	50	10	0	10	32,387	31,040	Long-term Tng. & Exp.	
51-2041	Structural Metal Fabricators and Fitters	190	230	40	0	0	10	28,072	30,800	Mod.-term Tng. & Exp.	

YES

21-1011	Substance Abuse and Behavioral Disorder Counselors	100	120	20	0	0	0	N/A	30,520	Master's degree	YES
29-1067	Surgeons	30	40	10	0	0	0	N/A	144,510	First professional degree	YES
29-2055	Surgical Technologists	90	120	30	0	0	10	26,095	25,930	Postsecondary voc.	
17-3031	Surveying and Mapping Technicians	40	60	10	0	0	0	26,267	29,800	Mod.-term Tng. & Exp.	
17-1022	Surveyors	80	80	0	0	0	0	35,270	37,180	Bachelor's degree	YES
43-2011	Switchboard Operators, Including Answering Service	450	410	0	0	10	10	17,654	17,460	Short-term Tng. & Exp.	
51-6052	Tailors, Dressmakers, and Custom Sewers	50	50	10	0	0	0	17,193	17,680	Work Exp. in a related occ.	
53-7121	Tank Car, Truck, and Ship Loaders	10	0	0	0	0	0	N/A	28,230	Mod.-term Tng. & Exp.	
47-2082	Tapers	30	40	10	0	0	0	N/A	24,010	Mod.-term Tng. & Exp.	
13-2081	Tax Examiners, Collectors, and Revenue Agents	90	110	20	0	0	0	40,134	41,850	Bachelor's degree	
13-2082	Tax Preparers	60	80	20	0	0	0	23,575	22,290	Mod.-term Tng. & Exp.	
53-3041	Taxi Drivers and Chauffeurs	460	670	200	20	0	20	19,186	16,780	Short-term Tng. & Exp.	
25-9041	Teacher Assistants	1,930	2,220	280	30	40	70	13,789	13,950	Short-term Tng. & Exp.	
25-3999	Teachers, Primary, Secondary, and Adult, All Other (OES Only)	450	540	100	10	10	10	35,336	34,780	Bachelor's degree	
51-2092	Team Assemblers	2,290	1,680	0	0	40	40	23,852	23,900	Mod.-term Tng. & Exp.	
27-3042	Technical Writers	20	20	0	0	0	0	N/A	36,670	Bachelor's degree	
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	130	110	0	0	0	0	37,311	38,240	Postsecondary voc.	
49-9052	Telecommunications Line Installers and Repairers	310	350	40	0	10	10	32,383	35,960	Long-term Tng. & Exp.	
41-9041	Telemarketers	340	530	180	20	10	30	15,443	20,560	Short-term Tng. & Exp.	
43-2021	Telephone Operators	10	10	0	0	0	0	N/A	25,460	Short-term Tng. & Exp.	
43-3071	Tellers	1,220	1,100	0	0	60	60	20,141	18,240	Short-term Tng. & Exp.	
47-2053	Terrazzo Workers and Finishers	30	20	0	0	0	0	N/A	23,000	Long-term Tng. & Exp.	
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	50	40	0	0	0	0	N/A	17,300	Mod.-term Tng. & Exp.	
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	70	50	0	0	0	0	17,869	15,970	Mod.-term Tng. & Exp.	
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	10	10	0	0	0	0	N/A	17,520	Long-term Tng. & Exp.	

51-6099	Textile, Apparel, and Furnishings Workers, All Other	50	60	10	0	0	0	N/A	N/A	Mod.-term Tng. & Exp.	
47-2044	Tile and Marble Setters	30	40	10	0	0	0	24,913	27,010	Long-term Tng. & Exp.	
51-9197	Tire Builders	140	150	10	0	0	0	N/A	24,030	Mod.-term Tng. & Exp.	
49-3093	Tire Repairers and Changers	610	750	140	10	20	40	17,433	17,490	Short-term Tng. & Exp.	
23-2093	Title Examiners, Abstractors, and Searchers	20	20	0	0	0	0	N/A	27,480	Mod.-term Tng. & Exp.	
51-4111	Tool and Die Makers	60	60	0	0	0	0	N/A	39,000	Long-term Tng. & Exp.	
51-4194	Tool Grinders, Filers, and Sharpeners	100	100	0	0	0	0	N/A	27,720	Mod.-term Tng. & Exp.	
39-6021	Tour Guides and Escorts	10	0	0	0	0	0	N/A	16,110	Mod.-term Tng. & Exp.	
53-6041	Traffic Technicians	10	10	0	0	0	0	N/A	29,610	Short-term Tng. & Exp.	
13-1073	Training and Development Specialists	130	160	30	0	0	10	37,448	37,190	Bachelor's degree	
33-3052	Transit and Railroad Police	10	10	0	0	0	0	N/A	50,450	Long-term Tng. & Exp.	
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	320	390	70	10	10	20	13,139	14,840	Short-term Tng. & Exp.	
53-6051	Transportation Inspectors	40	40	10	0	0	0	28,233	37,230	Work Exp. in a related occ.	YES
53-6099	Transportation Workers, All Other	130	180	40	0	10	10	19,601	31,640	Short-term Tng. & Exp.	
11-3071	Transportation, Storage, and Distribution Managers	190	220	30	0	0	10	50,680	50,360	Work Exp. in a related occ.	
41-3041	Travel Agents	70	80	10	0	0	0	19,275	22,410	Postsecondary voc.	
37-3013	Tree Trimmers and Pruners	20	20	0	0	0	0	N/A	22,480	Short-term Tng. & Exp.	
53-3032	Truck Drivers, Heavy and Tractor-Trailer	3,350	3,960	610	60	50	110	29,666	29,110	Mod.-term Tng. & Exp.	
53-3033	Truck Drivers, Light or Delivery Services	2,210	2,680	480	50	30	80	22,364	24,530	Short-term Tng. & Exp.	
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	*	*	N/A	N/A	Long-term Tng. & Exp.	
51-6093	Upholsterers	30	20	0	0	0	0	18,938	20,650	Long-term Tng. & Exp.	
19-3051	Urban and Regional Planners	20	20	0	0	0	0	35,343	39,110	Master's degree	
39-3031	Ushers, Lobby Attendants, and Ticket Takers	140	180	40	0	10	20	N/A	13,140	Short-term Tng. & Exp.	
49-3099	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers, All Other (OES Only)	150	170	20	0	10	10	27,584	28,700	Mod.-term Tng. & Exp.	
29-1131	Veterinarians	40	60	20	0	0	0	61,728	53,220	First professional degree	YES
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	70	100	20	0	0	0	15,463	15,650	Short-term Tng. & Exp.	

29-2056	Veterinary Technologists and Technicians	40	50	10	0	0	0	16,192	16,980	Associate degree	
25-1194	Vocational Education Teachers, Postsecondary	320	370	50	10	10	10	37,074	38,810	Work Exp. in a related occ.	
25-2032	Vocational Education Teachers, Secondary School	200	210	10	0	10	10	35,065	36,900	Bachelor's degree	
35-3031	Waiters and Waitresses	3,430	4,330	900	90	190	280	13,680	13,720	Short-term Tng. & Exp.	
49-9064	Watch Repairers	10	10	0	0	0	0	N/A	N/A	Long-term Tng. & Exp.	
51-8031	Water and Liquid Waste Treatment Plant and System Operators	340	350	20	0	10	10	25,313	26,600	Long-term Tng. & Exp.	
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	170	190	20	0	0	10	23,215	22,440	Short-term Tng. & Exp.	YES
51-4121	Welders, Cutters, Solderers, and Brazers	1,070	1,280	200	20	30	50	30,963	30,720	Postsecondary voc.	
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	710	820	110	10	20	30	28,194	32,260	Mod.-term Tng. & Exp.	
53-7073	Wellhead Pumps	40	30	0	0	0	0	30,323	36,710	Mod.-term Tng. & Exp.	
13-1022	Wholesale and Retail Buyers, Except Farm Products	200	180	0	0	10	10	39,686	38,720	Bachelor's degree	
51-7099	Woodworkers, All Other	290	330	40	0	10	20	21,149	22,000	Mod.-term Tng. & Exp.	
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	210	240	30	0	10	10	22,649	22,630	Mod.-term Tng. & Exp.	
43-9022	Word Processors and Typists	340	300	0	0	10	10	18,642	19,770	Mod.-term Tng. & Exp.	
27-3043	Writers and Authors	40	40	0	0	0	0	30,004	30,960	Bachelor's degree	
19-1023	Zoologists and Wildlife Biologists	20	20	0	0	0	0	N/A	38,010	Doctoral degree	

**DEFINITIONS:**

**Annual Total Openings** = demand in the occupation as a function of replacement demand (retirements + turnover) + net growth.

Long-term Tng. & Exp. = Long-term training and experience (more than 12 months of on-the-job training)

Mod.-term Tng. & Exp. = Moderate-term training and experience (1 to 12 months of combined on-the-job experience and informal training)

Short-term Tng. & Exp. = Short-term training and experience (up to 1 month of on-the-job experience)

**N/A Not Available**

**\* 2000 employment under 10 suppressed**

**Data may not add due to rounding**

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