

Demand Occupations Training List (DOTL) Framework

June 23, 2021

Framework Overview

Utilizing criteria for projected annual openings, education, and wages, a statewide DOTL was created using the [Long-Term COVID-impacted Occupational Projections \(2018-2028\)](#) from the Illinois Department of Employment Security as source data.



Implementation Timeline

The new DOTL will begin for Program Year (PY) 2021 or July 1, 2021. Those participants currently enrolled in training that is for demand occupations of the previous DOTL will be allowed to complete their currently enrolled programs.

As new data sets are available, an updated DOTL will be generated and the career planning system of record will be updated accordingly. When the DOTL is updated occupations added by LWIA petition and/or DCEO determination will “sunset” and require a renewed petition. Occupations added by petition in the final quarter of the PY will remain on the DOTL for the subsequent PY, and then will be subject to a renewed petition.

Criteria & Tiered List

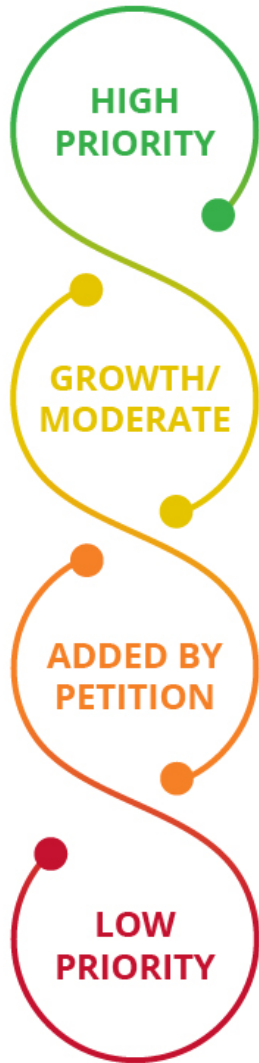


Projected annual openings equal to at least 0.01% of statewide employment (646 annual openings)	A minimum typical entry education level of High School diploma + moderate OJT and maximum typical entry level of Bachelors Degree + long-term OJT	A median wage of 85% of the Living Wage ¹ for 1 adult & 1 child (85% of \$26.48=\$22.51)
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¹ Living wage data were obtained from the MIT Living Wage calculator. <https://livingwage.mit.edu/>

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Using these thresholds, the list reflects tiers of occupations in the following color scheme, which will inform implementation guidance and program approval processes.



	999	Meet all criteria + minimum Bachelors
	999	Meet all criteria, less than Bachelors
	999	Meet education and openings criteria, less than minimum median wage
	999	Meet education and minimum median wage criteria, openings between 400 and statewide minimum (646)
	999	Address a State, or Federal, priority related to emergency response, funding opportunities, innovative programs or identified initiatives and that may have a defined period of activity
	999	Address an Approved Local Petition based on employer needs related to new or increased job openings or wages, or that meet priorities as outlined within Regional or Local Plans
	999	Do not meet education and/or below 400 annual openings; occupations with SOC Code ending in ##-###9 (“All Other”) ² (Not on DOTL)

² These SOC Codes tend to be “catch-all” and LWIAs report that they inhibit the ability to thoughtfully target and evaluate training

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All occupations falling into the *Green* (Advanced Education and Middle Skills) and *Yellow* (Growth and Moderate Demand) tiers will be included on the DOTL, though training for occupations in the *Yellow* tiers will require additional documentation in the applicable IEP or ISS by Career Planners to ensure those occupations are supporting training participants to access and progress along a demonstrable career pathway available in their local area or an area in which the participant is willing to relocate and is intended to be followed by further training in post-secondary education. Occupations in the *Orange* (Statewide and Local Priority) tiers represent those that have been added to address a state or federal priority or through a local petition approved by the Department as explained in the Requests for Non-Demand Occupational Training Petition Process section of this Notice. Since the DOTL is a statewide list, Career Planners should be quite mindful of the true demand for these occupations in their local or regional area as the data may not support this as a viable career option for their participants. As with the Yellow tiers, Career Planners will need to include additional documentation in the applicable IEP or ISS. Additionally, LWIBs should consider data that would support if there is a real demand (need) for training programs in occupations in this tier as they are reviewing training programs for initial and continued eligibility. Occupations falling into the *Red* (Low Priority) tier will not be included in the DOTL and require an LWIA petition or DCEO determination to be added.

Petition Process

If an LWIA or DCEO determine that an occupation should be added to the list based on data and other evidence that is not reflected in the IDES data, they must follow the procedures outlined in the Notice and below:

	LWIB Petition	DCEO Determination
Result	Occupation added as an Orange tiered* occupation to <i>full statewide list</i>	
Justification	<ul style="list-style-type: none"> • Evidence of local demand (evidence can include Talent Pipeline Management (TPM) documentation and/or letters from employers, other evidence as appropriate) • For occupation with higher education requirements, plan for addressing career pathway pipeline and targeting funds to final years of training • Evidence that programs training for this occupation serve a special population under WIOA (particularly returning citizens) 	<ul style="list-style-type: none"> • Determination based on State priorities (for example, current grant priorities, Early Childhood Workforce, COVID response, etc.)
Process	<ul style="list-style-type: none"> • Form submission to DCEO • DCEO staff processes/approves • DCEO notifies LWIB within 14 calendar days of petition submittal of outcome • DCEO notifies IWIB at subsequent meeting 	<ul style="list-style-type: none"> • DCEO staff documents evidence/rationale • DCEO notifies IWIB at subsequent meeting

*If a petition to add an occupation to the DOTL is approved, the occupation will be added to the *Orange* tier unless the new data on wages or annual openings elevates the occupation to a *Green* or *Yellow* tier.

Demand Occupations Training List (DOTL) Guide

Demand Code	
Red - Low Priority	0
Orange - Local Priority	1
Orange - Statewide Priority	2
Yellow - Moderate Demand	3
Yellow - Growth	4
Green - Middle Skills	5
Green - Advanced Education	6

Summary By Education and OJT Levels		
Education/ OJT code	Education Level	OJT Level
2	No formal educational credential	Short-term OJT
3	No formal educational credential	Moderate-term OJT
4	No formal educational credential	Long-term OJT
5	High school diploma or equivalent	None
6	High school diploma or equivalent	Short-term OJT
7	High school diploma or equivalent	Moderate-term OJT
8	High school diploma or equivalent	Long-term OJT
9	High school diploma or equivalent	Internship/residency
10	High school diploma or equivalent	Apprenticeship
11	Some college, no degree	None
12	Some college, no degree	Short-term OJT
13	Some college, no degree	Moderate-term OJT
14	Postsecondary nondegree award	None
15	Postsecondary nondegree award	Short-term OJT
16	Postsecondary nondegree award	Moderate-term OJT
17	Postsecondary nondegree award	Long-term OJT
18	Associate's degree	None
19	Associate's degree	Short-term OJT
20	Associate's degree	Moderate-term OJT
21	Associate's degree	Long-term OJT
22	Bachelor's degree	None
23	Bachelor's degree	Short-term OJT
24	Bachelor's degree	Moderate-term OJT
25	Bachelor's degree	Long-term OJT
26	Bachelor's degree	Internship/residency
27	Master's degree	None
28	Master's degree	Internship/residency
29	Doctoral or professional degree	None
30	Doctoral or professional degree	Short-term OJT
31	Doctoral or professional degree	Internship/residency

Demand Occupations Training List (DOTL)

SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
00-0000	Total, All Occupations	6,460,465	737,759		\$ 19.74		
11-1011	Chief Executives	12,070	703	22		4	
11-1021	General & Operations Managers	123,461	11,398	22	\$ 48.26	6	
11-1031	Legislators	4,519	354	22		0	
11-2011	Advertising & Promotions Managers	2,260	219	22	\$ 53.06	0	
11-2021	Marketing Managers	21,228	2,007	22	\$ 58.28	6	
11-2022	Sales Managers	25,571	2,362	22	\$ 58.91	6	
11-2031	Public Relations & Fundraising Managers	5,379	474	22	\$ 50.03	3	
11-3011	Administrative Services Managers	16,815	1,479	22	\$ 43.19	6	
11-3021	Computer & Information Systems Managers	17,940	1,500	22	\$ 68.46	6	
11-3031	Financial Managers	40,829	3,914	22	\$ 62.42	6	
11-3051	Industrial Production Managers	10,747	817	22	\$ 47.90	6	
11-3061	Purchasing Managers	4,389	378	22	\$ 53.83	0	
11-3071	Transportation/Storage/Distribution Mgrs	9,429	788	5	\$ 44.79	0	
11-3111	Compensation & Benefits Managers	1,121	94	22	\$ 58.15	0	
11-3121	Human Resources Managers	10,043	897	22	\$ 52.41	6	
11-3131	Training & Development Managers	2,387	219	22	\$ 51.94	0	
11-9013	Farmers, Ranchers & Other Ag Managers	58,993	6,087	5	\$ 29.61	0	
11-9021	Construction Managers	18,608	1,398	24	\$ 43.59	6	
11-9031	Ed.Administrators, Preschool & Child Care	2,768	235	22	\$ 24.44	0	
11-9032	Ed.Administrators, Elem. & Secondary	12,104	939	27		0	
11-9033	Ed.Administrators, Postsecondary	9,959	742	27	\$ 39.64	0	
11-9039	Education Administrators, All Other	1,847	160	22	\$ 35.95	0	
11-9041	Architectural & Engineering Mgrs	9,744	720	22	\$ 64.29	6	
11-9061	Funeral Service Managers	487	35	18	\$ 44.92	0	
11-9071	Gaming Managers	70	8	22		0	
11-9081	Lodging Managers	1,894	199	5	\$ 21.62	0	
11-9111	Medical & Health Services Managers	14,919	1,265	22	\$ 50.61	6	
11-9121	Natural Sciences Managers	2,013	180	22	\$ 57.77	0	
11-9131	Postmasters & Mail Superintendents	479	24	7	\$ 36.04	0	
11-9141	Property/Real Est/Comm.Assn.Managers	13,865	1,127	5	\$ 29.73	0	
11-9151	Social & Community Service Managers	5,008	460	22	\$ 31.46	3	
11-9161	Emergency Management Directors	443	36	22	\$ 30.47	0	
13-1020	Buyers & Purchasing Agents	15,341	1,391	22	\$ 30.87	6	
13-1031	Claims Adjusters/Examiners/Investigators	12,530	998	8	\$ 30.18	5	
13-1032	Insurance Appraisers, Auto Damage	393	36	16	\$ 30.02	0	
13-1041	Compliance Officers	9,154	841	24	\$ 35.30	6	
13-1051	Cost Estimators	5,604	578	24	\$ 32.04	3	
13-1071	Human Resources Specialists	24,904	2,558	22	\$ 28.79	6	
13-1075	Labor Relations Specialists	5,684	459	22	\$ 30.12	3	
13-1081	Logisticians	8,137	831	22	\$ 30.90	6	
13-1111	Management Analysts	46,634	5,151	22	\$ 42.45	6	
13-1121	Meeting, Convention & Event Planners	5,271	604	22	\$ 23.49	3	
13-1131	Fundraisers	4,288	455	22	\$ 27.03	3	
13-1141	Compnsatn/Bnfits/Job Analysis Specialists	3,730	358	22	\$ 31.27	0	
13-1151	Training & Development Specialists	10,194	1,158	22	\$ 31.10	6	
13-1161	Market Research Analysts & Specialists	31,208	3,931	22	\$ 29.15	6	
13-1199	Business Operations Specialists, All Other	50,647	5,011	22	\$ 31.83	0	
13-2011	Accountants & Auditors	58,211	5,705	22	\$ 33.89	6	
13-2021	Appraisers & Assessors of Real Estate	3,048	242	25	\$ 24.70	0	
13-2031	Budget Analysts	1,421	103	22	\$ 35.81	0	
13-2041	Credit Analysts	3,319	310	22	\$ 32.51	0	
13-2051	Financial Analysts	15,260	1,342	22	\$ 38.13	6	

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SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
13-2052	Personal Financial Advisors	11,161	898	25	\$ 48.66	6	
13-2053	Insurance Underwriters	5,886	451	24	\$ 32.93	3	
13-2061	Financial Examiners	2,127	172	25	\$ 44.47	0	
13-2071	Credit Counselors	1,768	149	24	\$ 21.56	0	
13-2072	Loan Officers	12,544	1,162	24	\$ 31.04	6	
13-2099	Financial Specialists, All Other	4,757	431	24	\$ 39.47	0	
15-1111	Computer/Information Research Scientists	504	50	27	\$ 55.43	0	
15-1121	Computer Systems Analysts	28,967	2,152	22	\$ 41.67	6	
15-1122	Information Security Analysts	3,837	378	22	\$ 46.13	0	
15-1131	Computer Programmers	11,810	596	22	\$ 42.20	3	
15-1132	Software Developers, Applications	31,020	2,851	22	\$ 45.87	6	
15-1133	Software Developers, Systems Software	17,399	1,331	22	\$ 51.63	6	
15-1134	Web Developers	5,961	499	18	\$ 33.85	3	
15-1141	Database Administrators	3,746	268	22	\$ 46.23	0	
15-1142	Network & Computer Sys. Administrators	12,071	794	22	\$ 39.87	6	
15-1143	Computer Network Architects	5,412	355	22	\$ 56.06	0	
15-1151	Computer User Support Specialists	25,743	2,246	10	\$ 24.27	4	
15-1152	Computer Network Support Specialists	10,333	852	18	\$ 29.79	5	
15-1199	Computer Occupations, All Other	16,886	1,287	22		0	
15-1299	Information Technology Project Managers		1,350			1	LWIB 13
15-2011	Actuaries	1,959	164	25	\$ 49.36	0	
15-2021	Mathematicians	53	5	27	\$ 54.18	0	
15-2031	Operations Research Analysts	5,140	477	22	\$ 46.59	3	
15-2041	Statisticians	1,912	213	27	\$ 41.65	0	
15-2090	Misc. Mathematical Science Occs	47	4	27		0	
17-1011	Architects, Except Landscape & Naval	6,513	529	26	\$ 38.06	0	
17-1012	Landscape Architects	428	33	26	\$ 35.72	0	
17-1021	Cartographers & Photogrammetrists	147	11	22	\$ 40.37	0	
17-1022	Surveyors	1,388	101	26	\$ 33.89	0	
17-2011	Aerospace Engineers	998	65	22	\$ 54.13	0	
17-2021	Agricultural Engineers	82	6	22	\$ 43.25	0	
17-2031	Biomedical Engineers	547	40	22	\$ 49.29	0	
17-2041	Chemical Engineers	913	62	22	\$ 45.27	0	
17-2051	Civil Engineers	11,388	916	22	\$ 41.93	6	
17-2061	Computer Hardware Engineers	986	75	22	\$ 50.78	0	
17-2071	Electrical Engineers	4,909	349	22	\$ 46.73	0	
17-2072	Electronics Engineers, Except Computer	2,797	179	22	\$ 47.38	0	
17-2081	Environmental Engineers	1,443	120	22	\$ 42.20	0	
17-2111	Health & Safety Engineers, Except Mining	567	40	22	\$ 42.32	0	
17-2112	Industrial Engineers	9,822	801	22	\$ 42.05	6	
17-2131	Materials Engineers	825	52	22	\$ 42.47	0	
17-2141	Mechanical Engineers	17,523	1,256	22	\$ 43.74	6	
17-2151	Mining & Geo Eng., Including Mining Safety	92	7	22	\$ 48.11	0	
17-2161	Nuclear Engineers	623	37	22	\$ 58.67	0	
17-2199	Engineers, All Other	4,120	290	22	\$ 42.57	0	
17-3011	Architectural & Civil Drafters	2,327	228	18	\$ 30.20	0	
17-3012	Electrical & Electronics Drafters	634	65	18	\$ 33.29	0	
17-3013	Mechanical Drafters	2,810	256	18	\$ 27.21	0	
17-3022	Civil Engineering Technicians	1,732	172	18	\$ 30.33	0	
17-3023	Electrical & Electronic Engineering Techs	3,281	318	18	\$ 32.54	0	
17-3024	Electro-Mechanical Technicians	345	34	18	\$ 34.32	0	
17-3025	Environmental Engineering Technicians	522	53	18	\$ 20.75	0	
17-3026	Industrial Engineering Technicians	1,811	178	18	\$ 27.37	0	

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SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
17-3027	Mechanical Engineering Technicians	2,110	215	18	\$ 27.99	0	
17-3029	Engineering Techs, Ex. Drafters, All Other	6,438	643	18		1	IWP
17-3031	Surveying & Mapping Technicians	997	119	7	\$ 20.39	0	
19-1011	Animal Scientists	85	10	22	\$ 27.93	0	
19-1012	Food Scientists & Technologists	806	94	22	\$ 43.67	0	
19-1013	Soil & Plant Scientists	390	45	22	\$ 26.57	0	
19-1021	Biochemists & Biophysicists	735	64	29	\$ 47.68	0	
19-1022	Microbiologists	958	88	22	\$ 28.92	0	
19-1023	Zoologists & Wildlife Biologists	312	28	22	\$ 26.88	0	
19-1029	Biological Scientists, All Other	568	52	22	\$ 38.98	0	
19-1031	Conservation Scientists	907	95	22	\$ 29.43	0	
19-1032	Foresters	160	18	22	\$ 35.12	0	
19-1041	Epidemiologists	224	20	27	\$ 36.99	0	
19-1042	Medical Scientists, Except Epidemiologists	3,967	342	29	\$ 37.20	0	
19-1099	Life Scientists, All Other	141	13	22	\$ 37.97	0	
19-2012	Physicists	859	72	29	\$ 54.11	0	
19-2031	Chemists	2,965	273	22	\$ 33.15	0	
19-2032	Materials Scientists	340	30	22	\$ 48.05	0	
19-2041	Environmental Scientists & Specialists	1,880	220	22	\$ 37.98	0	
19-2042	Geoscientists,Ex.Hydrologists/Geographers	376	42	22	\$ 33.29	0	
19-2043	Hydrologists	68	7	22	\$ 43.51	0	
19-2099	Physical Scientists, All Other	559	47	22	\$ 49.43	0	
19-3011	Economists	472	36	27	\$ 49.38	0	
19-3022	Survey Researchers	1,182	131	27	\$ 30.29	0	
19-3031	Clinical,Counseling & School Psychologists	6,150	506	31	\$ 32.93	0	
19-3041	Sociologists	107	12	27	\$ 38.55	0	
19-3051	Urban & Regional Planners	774	81	27	\$ 35.10	0	
19-3091	Anthropologists & Archeologists	117	14	27	\$ 28.81	0	
19-3092	Geographers	23	3	27	\$ 39.02	0	
19-3093	Historians	73	8	27	\$ 31.58	0	
19-3094	Political Scientists	66	8	27	\$ 35.05	0	
19-3099	Social Scientists & Related Occs, All Other	667	76	22	\$ 36.64	0	
19-4011	Agricultural & Food Science Technicians	619	76	20		0	
19-4021	Biological Technicians	2,036	209	22	\$ 26.14	0	
19-4031	Chemical Technicians	2,744	267	20	\$ 24.85	0	
19-4051	Nuclear Technicians	989	111	20	\$ 34.52	0	
19-4061	Social Science Research Assistants	1,239	146	22	\$ 25.31	0	
19-4091	Environmental Science & Protection Techs	1,085	132	18		0	
19-4093	Forest & Conservation Technicians	603	72	18		0	
19-4099	Life/Phys/Social Science Techs, All Other	3,563	432	18	\$ 24.07	0	
21-1012	Educational/Vocational/School Counselors	13,662	1,465	27	\$ 24.78	0	
21-1013	Marriage & Family Therapists	456	43	28	\$ 26.74	0	
21-1015	Rehabilitation Counselors	4,196	458	27	\$ 18.02	0	
21-1018	Sub.Abuse/Behav Disorder/Mental Hlth Cnslrs	12,639	1,559	27	\$ 20.73	0	
21-1019	Counselors, All Other	2,086	218	27	\$ 17.60	0	
21-1021	Child, Family & School Social Workers	14,157	1,363	22	\$ 25.41	4	
21-1022	Healthcare Social Workers	6,096	621	28	\$ 25.78	0	
21-1023	Mental Health & Sub Abuse Social Workers	3,671	393	28	\$ 21.28	0	
21-1029	Social Workers, All Other	5,274	540	22	\$ 33.16	0	
21-1091	Health Educators	2,200	247	22	\$ 26.45	0	
21-1092	Prob. Officers/Corr. Treatment Specialists	3,018	260	23	\$ 33.35	1	LWIB 13
21-1093	Social & Human Service Assistants	13,650	1,686	6	\$ 17.23	0	
21-1094	Community Health Workers	2,308	270	6	\$ 19.87	0	

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SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
21-1099	Comm/Soc.Service Specialists, All Other	3,359	376	22	\$ 17.65	0	
21-2011	Clergy	16,737	1,803	24	\$ 22.21	4	
21-2021	Directors, Religious Activities & Education	7,375	913	22	\$ 18.49	4	
21-2099	Religious Workers, All Other	3,181	409	22	\$ 13.85	0	
23-1011	Lawyers	37,323	1,892	29	\$ 62.27	0	
23-1021	Adm.Law Judges/Adjcators/Hearing Officers	554	27	30	\$ 38.97	0	
23-1022	Arbitrators, Mediators & Conciliators	388	19	29	\$ 34.09	0	
23-2011	Paralegals & Legal Assistants	13,921	1,634	18	\$ 27.62	5	
23-2091	Court Reporters	799	71	15		0	
23-2093	Title Examiners, Abstractors & Searchers	1,187	107	7	\$ 23.16	0	
23-2099	Legal Support Workers, All Other	817	71	18	\$ 26.77	0	
25-1011	Business Teachers, College	4,662	421	29	\$ 42.07	0	
25-1021	Computer Science Teachers, College	1,591	126	29	\$ 39.41	0	
25-1022	Mathematical Science Teachers, College	2,634	210	29	\$ 29.28	0	
25-1031	Architecture Teachers, College	191	15	29	\$ 49.36	0	
25-1032	Engineering Teachers, College	1,592	133	29	\$ 45.94	0	
25-1041	Agricultural Sciences Teachers, College	443	34	29		0	
25-1042	Biological Science Teachers, College	2,861	248	29	\$ 42.38	0	
25-1051	Atmosph./Marine/Space Teachers, College	345	27	29	\$ 34.83	0	
25-1052	Chemistry Teachers, College	1,167	93	29	\$ 35.55	0	
25-1053	Environmental Science Teachers, College	145	12	29	\$ 34.69	0	
25-1054	Physics Teachers, College	750	59	29	\$ 39.25	0	
25-1061	Anthropology/Archeology Teachers, College	343	27	29	\$ 35.00	0	
25-1062	Ethnic & Cultural Studies Teachers, College	529	41	29	\$ 38.84	0	
25-1063	Economics Teachers, College	617	49	29	\$ 53.62	0	
25-1064	Geography Teachers, College	177	13	29	\$ 36.33	0	
25-1065	Political Science Teachers, College	639	50	29	\$ 36.05	0	
25-1066	Psychology Teachers, College	1,748	150	29	\$ 33.03	0	
25-1067	Sociology Teachers, College	681	55	29	\$ 28.25	0	
25-1069	Social Sciences Teachers,College,All Other	1,407	109	29	\$ 38.57	0	
25-1071	Health Specialties Teachers, College	11,916	1,180	29	\$ 43.45	0	
25-1072	Nursing Instructors & Teachers, College	1,951	195	29	\$ 33.35	0	
25-1081	Education Teachers, College	5,304	428	29	\$ 32.84	0	
25-1082	Library Science Teachers, College	463	36	29	\$ 33.86	0	
25-1111	Criminal Just/Law Enforc.Teachers, College	636	57	29	\$ 32.78	0	
25-1112	Law Teachers, College	1,138	93	29	\$ 60.96	0	
25-1113	Social Work Teachers, College	977	77	29	\$ 29.70	0	
25-1121	Art, Drama & Music Teachers, College	4,496	358	27	\$ 29.60	0	
25-1122	Communications Teachers, College	2,083	164	29	\$ 28.84	0	
25-1123	English Lang./Literature Teachers, College	3,360	267	29	\$ 27.24	0	
25-1124	Foreign Lang./Literature Teachers, College	1,012	81	29	\$ 28.56	0	
25-1125	History Teachers, College	906	72	29	\$ 31.21	0	
25-1126	Philosophy & Religion Teachers, College	1,122	91	29	\$ 29.24	0	
25-1191	Graduate Teaching Assistants	3,690	277	22	\$ -	0	
25-1192	Home Economics Teachers, College	57	4	22	\$ 35.32	0	
25-1193	Recreation & Fitness Teachers, College	654	52	29	\$ 31.28	0	
25-1194	Vocational Education Teachers, College	4,913	390	22	\$ 22.79	0	
25-2011	Preschool Teachers, Ex. Special Education	24,803	2,692	18	\$ 14.29	4	
25-2012	Kindergarten Teachers, Ex. Special Ed.	4,410	445	22	\$ 19.64	3	
25-2021	Elem. School Teachers, Ex. Special Ed.	61,673	4,488	22	\$ 21.08	4	
25-2022	Middle School Teachers,Ex.Special/Voc Ed	21,215	1,554	22	\$ 21.73	4	
25-2023	Career/Tech. Ed. Teachers, Middle School	214	16	22	\$ -	2	State
25-2031	Secondary Teachers, Ex. Spec/Voc. Ed.	41,550	2,880	22	\$ 21.55	4	

Demand Occupations Training List (DOTL)

SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
25-2032	Career/Tech. Ed. Teachers, Secondary School	1,875	128	22	\$ 22.51	2	State
25-2051	Special Education Teachers, Preschool	919	69	22	\$ 18.65	2	State
25-2052	Special Education Teachers, K-garten/Elem.	9,200	673	22	\$ 20.87	4	
25-2053	Special Education Teachers, Middle School	3,260	240	22	\$ 23.10	2	State
25-2054	Special Education Teachers, Secondary	8,038	590	22	\$ 18.82	3	
25-2059	Special Education Teachers, All Other	832	66	22	\$ 25.55	2	State
25-3011	Adult Lit., Remedial Ed. & GED Teachers	2,460	239	22	\$ 24.34	0	
25-3021	Self-Enrichment Education Teachers	15,663	2,001	5	\$ 17.05	0	
25-3097	Teachers & Instructors, All Other, Ex. Sub Tchrs.	11,474	1,441	22	\$ 13.20	4	
25-3098	Substitute Teachers	23,512	2,633	22		4	
25-4011	Archivists	194	21	27	\$ 30.22	0	
25-4012	Curators	364	40	27	\$ 25.97	0	
25-4013	Museum Technicians & Conservators	947	105	22	\$ 22.08	0	
25-4021	Librarians	6,150	619	27		0	
25-4031	Library Technicians	5,458	753	14	\$ 15.76	4	
25-9011	Audio-Visual Collections Specialists	219	20	22		0	
25-9021	Farm & Home Management Advisors	226	19	27	\$ 18.01	0	
25-9031	Instructional Coordinators	5,042	475	27	\$ 31.06	0	
25-9041	Teacher Assistants	58,716	6,236	10		4	
25-9099	Ed., Training & Library Workers, All Other	536	54	22	\$ 19.06	0	
27-1011	Art Directors	4,290	446	22	\$ 43.78	3	
27-1012	Craft Artists	223	23	4	\$ 19.86	0	
27-1013	Fine Artists, Sculptors & Illustrators	512	55	25	\$ 20.43	0	
27-1014	Multi-Media Artists & Animators	1,621	173	22	\$ 29.74	0	
27-1021	Commercial & Industrial Designers	1,713	176	22	\$ 30.18	0	
27-1023	Floral Designers	2,264	175	7	\$ 12.05	0	
27-1024	Graphic Designers	14,263	1,434	22	\$ 26.10	4	
27-1025	Interior Designers	2,708	263	22	\$ 24.17	0	
27-1026	Merchandise Displayers/Window Trimmers	6,090	617	6	\$ 13.74	0	
27-1027	Set & Exhibit Designers	422	42	22	\$ 22.92	0	
27-1029	Designers, All Other	314	30	22	\$ 28.66	0	
27-2012	Producers & Directors	3,623	357	22	\$ 29.37	0	
27-2022	Coaches & Scouts	12,034	1,856	22		4	
27-2023	Umpires, Referees & Other Sports Officials	1,494	220	7		0	
27-2041	Music Directors & Composers	2,226	255	22	\$ 18.18	0	
27-2042	Musicians & Singers	6,021	678	4	\$ 32.29	0	
27-2099	Entertain/Perform/Sport Workers, All Other	204	23	2		0	
27-3011	Radio & Television Announcers	1,184	122	22	\$ 15.95	0	
27-3012	Public Address System/Other Announcers	527	60	6		0	
27-3021	Broadcast News Analysts	290	35	22		0	
27-3022	Reporters & Correspondents	1,339	135	22		0	
27-3031	Public Relations Specialists	10,561	1,135	22	\$ 27.43	6	
27-3041	Editors	4,301	435	22	\$ 27.69	3	
27-3042	Technical Writers	1,555	154	23	\$ 33.01	0	
27-3043	Writers & Authors	4,394	425	25	\$ 28.98	3	
27-3091	Interpreters & Translators	2,425	277	22	\$ 20.73	0	
27-3099	Media & Communication Workers, All Other	177	18	6	\$ 13.81	0	
27-4011	Audio & Video Equipment Technicians	3,109	364	15	\$ 19.03	0	
27-4012	Broadcast Technicians	1,403	148	19	\$ 16.24	0	
27-4013	Radio Operators	52	6	15		0	
27-4014	Sound Engineering Technicians	245	26	15	\$ 26.89	0	
27-4021	Photographers	5,975	403	8	\$ 16.31	3	
27-4031	Camera Operators/TV/Video/Motion Picture	677	69	22	\$ 22.73	0	

Demand Occupations Training List (DOTL)

SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
27-4032	Film & Video Editors	388	43	22	\$ 30.69	0	
27-4099	Media & Comm. Equip. Workers, All Other	124	13	6		0	
29-1011	Chiropractors	2,156	54	29	\$ 34.49	0	
29-1021	Dentists, General	5,464	171	29	\$ 82.11	0	
29-1023	Orthodontists	487	16	31	\$ 74.26	0	
29-1029	Dentists, All Other Specialists	130	4	29	\$ 58.18	0	
29-1031	Dietitians & Nutritionists	2,763	178	26	\$ 28.50	0	
29-1041	Optometrists	2,527	80	29	\$ 55.05	0	
29-1051	Pharmacists	12,315	460	29	\$ 62.17	0	
29-1061	Anesthesiologists	1,590	33	31		0	
29-1062	Family & General Practitioners	8,395	220	31		0	
29-1063	Internists, General	2,012	40	31		0	
29-1064	Obstetricians & Gynecologists	620	12	31		0	
29-1065	Pediatricians, General	738	15	31		0	
29-1066	Psychiatrists	984	36	31		0	
29-1067	Surgeons	1,372	25	31		0	
29-1069	Physicians & Surgeons, All Other	10,531	263	31		0	
29-1071	Physician Assistants	3,813	363	27	\$ 49.82	0	
29-1081	Podiatrists	655	34	31	\$ 61.32	0	
29-1122	Occupational Therapists	5,389	344	27	\$ 40.59	0	
29-1123	Physical Therapists	11,407	601	29	\$ 43.97	0	
29-1124	Radiation Therapists	693	31	18	\$ 39.24	0	
29-1125	Recreational Therapists	968	45	22	\$ 22.13	0	
29-1126	Respiratory Therapists	4,379	291	18	\$ 28.43	0	
29-1127	Speech-Language Pathologists	6,907	525	28	\$ 36.54	0	
29-1128	Exercise Physiologists	804	44	22	\$ 24.75	0	
29-1129	Therapists, All Other	777	49	22	\$ 26.38	0	
29-1131	Veterinarians	2,928	141	29	\$ 46.03	0	
29-1141	Registered Nurses	133,925	9,289	22	\$ 34.43	6	
29-1151	Nurse Anesthetists	1,954	135	27	\$ 92.43	0	
29-1161	Nurse Midwives	472	34	27	\$ 49.37	0	
29-1171	Nurse Practitioners	8,162	757	27	\$ 51.64	0	
29-1181	Audiologists	529	25	29	\$ 36.64	0	
29-1199	Health Diag/Treating Practitioners,All Other	3,250	156	27		0	
29-2021	Dental Hygienists	9,440	683	18	\$ 23.12	4	
29-2031	Cardiovascular Technologists & Techs	2,586	129	18	\$ 23.30	0	
29-2032	Diagnostic Medical Sonographers	3,035	194	18	\$ 36.54	0	
29-2033	Nuclear Medicine Technologists	768	37	18	\$ 38.92	0	
29-2034	Radiologic Technologists	8,143	401	18	\$ 29.67	3	
29-2035	Magnetic Resonance Imaging Techs	2,019	109	18	\$ 34.91	0	
29-2041	Emergency Medical Techs & Paramedics	11,087	799	14	\$ 14.54	4	
29-2051	Dietetic Technicians	3,331	253	18	\$ 11.72	0	
29-2052	Pharmacy Technicians	21,390	1,772	7	\$ 15.44	4	
29-2053	Psychiatric Technicians	4,090	337	15	\$ 19.60	0	
29-2054	Respiratory Therapy Technicians	676	-	18		0	
29-2055	Surgical Technologists	3,378	258	14	\$ 22.65	0	
29-2056	Veterinary Technologists & Technicians	4,062	371	18	\$ 17.18	0	
29-2057	Ophthalmic Medical Technicians	1,781	150	14	\$ 17.54	0	
29-2061	Licensed Practical & Vocational Nurses	20,723	1,518	14	\$ 25.11	4	
29-2071	Medical Records/Health Information Techs	8,475	529	14	\$ 18.93	3	
29-2081	Opticians, Dispensing	2,894	228	8	\$ 16.32	0	
29-2091	Orthotists & Prosthetists	523	45	28	\$ 36.11	0	
29-2092	Hearing Aid Specialists	248	22	7	\$ 18.90	0	

Demand Occupations Training List (DOTL)

SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
29-2099	Health Technologists & Techs, All Other	6,141	419	14		0	
29-9011	Occupational Health & Safety Specialists	2,446	148	22		0	
29-9012	Occupational Health & Safety Technicians	719	45	7		0	
29-9091	Athletic Trainers	1,623	114	22		0	
29-9092	Genetic Counselors	253	19	27	\$ 38.11	0	
29-9099	Healthcare Pract./Tech Workers, All Other	912	54	14		0	
31-1011	Home Health Aides	34,657	4,560	6		0	
31-1013	Psychiatric Aides	1,783	211	6		0	
31-1014	Nursing Assistants	63,439	6,942	14	\$ 11.82	4	
31-1015	Orderlies	3,040	317	6		0	
31-2011	Occupational Therapist Assistants	2,229	297	18	\$ 30.53	0	
31-2012	Occupational Therapist Aides	2,610	339	6	\$ 9.60	0	
31-2021	Physical Therapist Assistants	4,629	650	18	\$ 28.78	5	
31-2022	Physical Therapist Aides	1,257	172	6	\$ 11.71	0	
31-9011	Massage Therapists	6,751	965	14	\$ 22.73	4	
31-9091	Dental Assistants	12,747	1,508	14	\$ 19.02	4	
31-9092	Medical Assistants	23,816	2,848	14	\$ 16.93	4	
31-9093	Medical Equipment Preparers	2,673	293	7	\$ 18.44	0	
31-9094	Medical Transcriptionists	2,202	261	14	\$ 14.81	0	
31-9095	Pharmacy Aides	401	49	6	\$ 13.47	0	
31-9096	Veterinary Assts. & Lab Animal Caretakers	2,620	458	6	\$ 13.07	0	
31-9097	Phlebotomists	5,062	648	14	\$ 16.71	4	
31-9099	Healthcare Support Workers, All Other	1,477	171	5	\$ 21.90	0	
33-1011	1st-Line Spvrs/Mgrs Correctional Officers	2,011	136	5	\$ 36.27	0	
33-1012	1st-Line Spvrs/Mgrs Police & Detectives	6,318	403	7	\$ 54.28	3	
33-1021	1st-Line Spvrs/Mgrs Fire Fight/Prev.Wrkers	3,605	238	16	\$ 46.95	0	
33-1099	1st-Line Spvrs/Mgrs Prot. Wrkers, All Other	3,502	341	5		0	
33-2011	Fire Fighters	17,954	1,264	17	\$ 25.54	4	
33-2021	Fire Inspectors & Investigators	749	77	16	\$ 30.39	0	
33-3011	Bailiffs	1,629	136	7	\$ 33.31	0	
33-3012	Correctional Officers & Jailers	14,364	1,216	7	\$ 28.59	5	
33-3021	Detectives & Criminal Investigators	2,970	196	7	\$ 39.86	0	
33-3031	Fish & Game Wardens	120	9	7	\$ 34.80	0	
33-3041	Parking Enforcement Workers	462	9	6	\$ 23.57	0	
33-3051	Police & Sheriff's Patrol Officers	31,971	2,319	7	\$ 40.90	5	
33-3052	Transit & Railroad Police	317	23	7	\$ 34.77	0	
33-9011	Animal Control Workers	602	59	7	\$ 16.64	0	
33-9021	Private Detectives & Investigators	904	86	7	\$ 27.41	0	
33-9031	Gaming Surveillance Officers/Investigators	266	33	7	\$ 35.64	0	
33-9032	Security Guards	48,053	6,306	6	\$ 14.74	0	
33-9091	Crossing Guards	3,679	606	2	\$ 15.13	0	
33-9092	Lifeguards/Ski Patrol/Other Rec. Workers	7,913	1,930	2	\$ 10.43	0	
33-9093	Transportation Security Screeners	1,768	167	6	\$ 20.30	0	
33-9099	Protective Service Workers, All Other	6,446	1,502	6		0	
35-1011	Chefs & Head Cooks	4,970	691	5	\$ 25.59	0	
35-1012	1st-LineSpvrs/MgrsFoodPrep/ServingWkrs	28,768	4,584	5	\$ 14.10	0	
35-2011	Cooks, Fast Food	18,032	2,131	2	\$ 9.63	0	
35-2012	Cooks, Institution & Cafeteria	19,962	2,770	2	\$ 13.14	0	
35-2014	Cooks, Restaurant	48,897	8,109	3	\$ 13.77	0	
35-2015	Cooks, Short Order	6,082	793	2	\$ 12.00	0	
35-2021	Food Preparation Workers	32,653	5,849	2	\$ 12.39	0	
35-3011	Bartenders	30,015	5,352	2	\$ 9.49	0	
35-3021	Combined Food Prep. & Serving Workers	143,910	28,390	2		0	

Demand Occupations Training List (DOTL)

SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
35-3022	Counter Attnds,Café/Food Conc./Cofee Shop	18,525	3,950	2		0	
35-3031	Waiters & Waitresses	84,174	16,113	2	\$ 9.36	0	
35-3041	Food Servers, Nonrestaurant	14,435	2,290	2	\$ 11.59	0	
35-9011	Dining Room/Café Attnds/Bartender Helpers	22,774	4,020	2	\$ 9.63	0	
35-9021	Dishwashers	19,873	3,043	2	\$ 11.61	0	
35-9031	Host/Hostess, Restaur/Lounge/Coffee Shop	14,248	3,379	2	\$ 11.08	0	
35-9099	Food Prep. & Serving Workers, All Other	410	74	2	\$ 12.66	0	
37-1011	1st-LineSpvrs/Mgrs Housekeeping/Janitors	6,293	742	5	\$ 21.17	0	
37-1012	1st-LineSpvrs/Mgrs Lndscp/Lawn Service	5,809	673	5	\$ 22.85	0	
37-2011	Janitors/Cleaners, Ex.Maids/Housekeepers	89,103	12,247	2	\$ 13.79	0	
37-2012	Maids & Housekeeping Cleaners	44,261	5,714	2	\$ 12.12	0	
37-3011	Landscaping & Groundskeeping Workers	40,311	5,570	2	\$ 15.26	0	
37-3012	Pesticide Handlers, Sprayers & Applicators	1,972	260	7	\$ 18.44	0	
37-3013	Tree Trimmers & Pruners	457	64	6	\$ 19.83	0	
37-3019	Grounds Maintenance Workers, All Other	168	22	2	\$ 21.77	0	
39-1021	1st-LineSpvrs/Mgrs Persnal Service Wrkers	6,920	696	5		0	
39-2011	Animal Trainers	705	116	7	\$ 14.86	0	
39-2021	Nonfarm Animal Caretakers	11,429	2,056	6	\$ 11.35	0	
39-3011	Gaming Dealers	1,353	208	6	\$ 9.31	0	
39-3019	Gaming Service Workers, All Other	221	34	6	\$ 11.96	0	
39-3021	Motion Picture Projectionists	262	40	2	\$ 12.67	0	
39-3031	Ushers/Lobby Attendants & Ticket Takers	5,586	1,335	2	\$ 10.51	0	
39-3091	Amusement & Recreation Attendants	8,360	1,946	2	\$ 10.58	0	
39-3093	Locker, Coat & Dressing Room Attendants	714	166	6	\$ 11.14	0	
39-3099	Entertainment Attendants/Workers, All Other	242	60	6		0	
39-4011	Embalmers	70	9	21	\$ 17.17	0	
39-4021	Funeral Attendants	985	150	6	\$ 13.44	0	
39-4031	Morticians/Undertakers/Funeral Directors	1,497	167	21	\$ 27.97	0	
39-5012	Hairdressers/Hairstylists/Cosmetologists	24,727	3,153	14	\$ 13.00	4	
39-5092	Manicurists & Pedicurists	6,079	720	14	\$ 10.88	4	
39-5093	Shampooers	1,065	126	2	\$ 10.19	0	
39-5094	Skin Care Specialists	2,531	303	14	\$ 15.75	0	
39-6011	Baggage Porters & Bellhops	2,157	326	6	\$ 11.89	0	
39-6012	Concierges	1,125	164	7	\$ 15.40	0	
39-9011	Child Care Workers	28,641	4,208	6	\$ 11.16	0	
39-9021	Personal Care Aides	55,458	9,072	6		0	
39-9031	Fitness Trainers & Aerobics Instructors	19,450	3,410	6	\$ 21.20	0	
39-9032	Recreation Workers	22,785	3,841	6	\$ 11.48	0	
39-9041	Residential Advisors	2,702	424	6	\$ 14.20	0	
39-9099	Personal Care/Service Workers, All Other	2,626	388	6		0	
41-1011	1st-LineSpvrs/Mgrs Retail Sales	46,397	4,918	5	\$ 18.74	0	
41-1012	1st-LineSpvrs/Mgrs Non-Retail Sales	8,946	803	5	\$ 34.04	0	
41-2011	Cashiers	141,882	25,298	2	\$ 11.18	0	
41-2012	Gaming Change Persons/Booth Cashiers	413	78	2	\$ 11.58	0	
41-2021	Counter & Rental Clerks	11,164	1,411	2	\$ 11.79	0	
41-2022	Parts Salespersons	9,818	1,147	3	\$ 16.13	0	
41-2031	Retail Salespersons	166,800	24,148	2	\$ 12.00	0	
41-3011	Advertising Sales Agents	8,931	1,209	7	\$ 27.40	5	
41-3021	Insurance Sales Agents	45,640	5,168	7	\$ 25.44	4	
41-3031	Sec./Commod./Fin.Services Sales Agents	22,831	2,214	24	\$ 30.97	6	
41-3041	Travel Agents	4,332	512	7	\$ 21.29	3	
41-3099	Sales Representatives, Services, All Other	48,835	6,426	7	\$ 27.22	0	
41-4011	Sales Reps/Wholesale/Mfg,Tech/Scientific	14,398	1,514	24	\$ 39.74	6	

Demand Occupations Training List (DOTL)

SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
41-4012	Sales Reps/Wholesale/Mfg,Ex.Tech/Scntific	71,762	7,681	7	\$ 28.19	5	
41-9011	Demonstrators & Product Promoters	2,278	399	2	\$ 13.71	0	
41-9021	Real Estate Brokers	3,531	348	5	\$ 14.36	0	
41-9022	Real Estate Sales Agents	7,978	787	7	\$ 14.55	4	
41-9031	Sales Engineers	1,780	196	24	\$ 41.37	0	
41-9041	Telemarketers	5,444	618	2	\$ 13.07	0	
41-9099	Sales & Related Workers, All Other	2,377	314	5	\$ 12.69	0	
43-1011	1st-LineSpvrs/Mgrs Office/Adm.Support Wrkrs	42,230	4,114	5	\$ 28.30	0	
43-2011	Switchboard Operators	3,149	235	6	\$ 15.49	0	
43-2021	Telephone Operators	193	17	6	\$ 16.29	0	
43-2099	Comm. Equipment Operators, All Other	47	5	6	\$ 17.59	0	
43-3011	Bill & Account Collectors	9,840	948	7	\$ 18.39	4	
43-3021	Billing & Posting Clerks	16,329	1,867	7	\$ 19.70	4	
43-3031	Bookkeeping/Accounting/Auditing Clerks	54,861	5,795	12	\$ 20.17	4	
43-3041	Gaming Cage Workers	240	32	6	\$ 13.59	0	
43-3051	Payroll & Timekeeping Clerks	4,365	430	7	\$ 24.18	3	
43-3061	Procurement Clerks	2,513	229	7	\$ 21.17	0	
43-3071	Tellers	18,504	1,839	6	\$ 15.14	0	
43-3099	Financial Clerks, All Other	770	87	6	\$ 21.72	0	
43-4011	Brokerage Clerks	2,692	284	7	\$ 26.29	0	
43-4021	Correspondence Clerks	205	20	6	\$ 17.93	0	
43-4031	Court, Municipal & License Clerks	6,078	579	7	\$ 19.75	3	
43-4041	Credit Authorizers, Checkers & Clerks	492	43	7	\$ 20.31	0	
43-4051	Customer Service Representatives	122,357	15,099	6	\$ 17.41	0	
43-4061	Eligibility Interviewers, Govt. Programs	2,591	281	7	\$ 24.98	0	
43-4071	File Clerks	3,690	345	6	\$ 17.98	0	
43-4081	Hotel, Motel & Resort Desk Clerks	7,794	1,255	6	\$ 11.73	0	
43-4111	Interviewers, Except Eligibility & Loan	5,419	632	6	\$ 17.36	0	
43-4121	Library Assistants, Clerical	6,143	835	6	\$ 11.80	0	
43-4131	Loan Interviewers & Clerks	8,396	943	6	\$ 19.51	0	
43-4141	New Accounts Clerks	2,706	277	7	\$ 17.26	0	
43-4151	Order Clerks	4,973	510	6	\$ 15.78	0	
43-4161	HR Assistants, Ex. Payroll/Timekeeping	3,092	310	18	\$ 19.49	0	
43-4171	Receptionists & Information Clerks	41,114	5,334	6	\$ 14.47	0	
43-4181	Reservation/Transportation Ticket Agents	5,663	601	6	\$ 20.06	0	
43-4199	Information & Record Clerks, All Other	2,026	238	6	\$ 21.48	0	
43-5011	Cargo & Freight Agents	4,407	434	6	\$ 22.94	0	
43-5021	Couriers & Messengers	2,528	250	6	\$ 13.64	0	
43-5031	Police, Fire & Ambulance Dispatchers	3,701	359	7	\$ 24.86	0	
43-5032	Dispatchers, Ex. Police/Fire/Ambulance	6,889	627	7	\$ 22.21	3	
43-5041	Meter Readers, Utilities	871	71	6	\$ 25.68	0	
43-5051	Postal Service Clerks	2,942	181	6	\$ 23.24	0	
43-5052	Postal Service Mail Carriers	15,042	895	6	\$ 25.98	0	
43-5053	P.S. Mail Sorters & Machine Operators	5,464	335	6	\$ 28.91	0	
43-5061	Production/Planning/Expediting Clerks	15,736	1,691	7	\$ 23.01	4	
43-5071	Shipping, Receiving & Traffic Clerks	32,650	3,161	6	\$ 16.90	0	
43-5081	Stock Clerks & Order Fillers	102,622	13,756	6		0	
43-5111	Weighers/Measurers/Checkers/Samplers	1,834	221	6	\$ 17.21	0	
43-6011	Executive Secretaries & Exec. Admin. Assistants	31,653	2,393	5	\$ 28.18	0	
43-6012	Legal Secretaries	8,000	590	7	\$ 23.85	3	
43-6013	Medical Secretaries	16,671	1,913	7	\$ 17.49	4	
43-6014	Secretaries & Admin. Assts., Ex. Legal/Medical/Exec	71,758	6,593	6	\$ 18.01	0	
43-9011	Computer Operators	1,517	117	7		0	

Demand Occupations Training List (DOTL)

SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
43-9021	Data Entry Keyers	8,287	596	6	\$ 17.39	0	
43-9022	Word Processors & Typists	286	18	6	\$ 20.54	0	
43-9031	Desktop Publishers	898	81	19	\$ 19.04	0	
43-9041	Ins. Claims & Policy Processing Clerks	9,954	1,047	7	\$ 19.94	4	
43-9051	Mail Clerks/Machine Operators, Ex.P.S.	6,679	659	6	\$ 13.90	0	
43-9061	Office Clerks, General	169,767	18,312	6	\$ 16.94	0	
43-9071	Office Machine Operators, Ex. Computer	1,137	110	6	\$ 17.28	0	
43-9081	Proofreaders & Copy Markers	525	65	22	\$ 22.83	0	
43-9111	Statistical Assistants	671	86	22	\$ 24.59	0	
43-9199	Office/Adm. Support Workers, All Other	6,447	762	6	\$ 18.71	0	
45-1011	1st-LineSpvrs/Mgrs Farm/Fish/Forestry	617	92	5	\$ 23.43	0	
45-2011	Agricultural Inspectors	370	57	24	\$ 25.52	0	
45-2021	Animal Breeders	83	13	6		0	
45-2041	Graders & Sorters, Agricultural Products	1,147	164	2	\$ 13.79	0	
45-2091	Agricultural Equipment Operators	1,776	303	3	\$ 17.15	0	
45-2092	Farmwrkrs/Laborers/Crop/Nrsery/Grnhouse	7,816	1,294	2	\$ 13.80	0	
45-2093	Farmworkers, Farm & Ranch Animals	2,587	413	2	\$ 13.00	0	
45-2099	Agricultural Workers, All Other	64	11	2		0	
45-4011	Forest & Conservation Workers	327	54	7	\$ 17.42	0	
47-1011	1st-LineSpvrs/Mgrs Const/Extraction	10,864	1,176	5	\$ 40.06	0	
47-2021	Brickmasons & Blockmasons	3,563	366	9	\$ 41.87	0	
47-2031	Carpenters	33,846	3,521	9	\$ 33.22	5	
47-2041	Carpet Installers	925	78	2	\$ 18.33	0	
47-2042	Floor Layers, Ex. Carpet/Wood/Hard Tiles	1,575	179	3	\$ 21.27	0	
47-2044	Tile & Marble Setters	2,627	300	4	\$ 18.81	0	
47-2051	Cement Masons & Concrete Finishers	5,652	615	3	\$ 34.26	0	
47-2061	Construction Laborers	41,494	4,785	2	\$ 27.34	0	
47-2071	Paving/Surfacing/Tamping Equip.Operators	1,748	227	7	\$ 31.17	0	
47-2073	Operating Enginrs/Const.EquipOperators	11,137	1,331	7	\$ 38.68	5	
47-2081	Drywall & Ceiling Tile Installers	2,068	186	3	\$ 20.90	0	
47-2082	Tapers	657	63	3	\$ 42.94	0	
47-2111	Electricians	25,235	3,055	9	\$ 39.17	5	
47-2121	Glaziers	1,324	158	9	\$ 35.12	0	
47-2131	Insulation Workers, Floor/Ceiling/Wall	955	103	2	\$ 28.60	0	
47-2132	Insulation Workers, Mechanical	324	38	9	\$ 37.21	0	
47-2141	Painters, Construction & Maintenance	12,552	1,251	3	\$ 23.44	0	
47-2151	Pipelayers	350	40	2	\$ 34.42	0	
47-2152	Plumbers, Pipefitters & Steamfitters	16,287	1,965	9	\$ 43.85	5	
47-2161	Plasterers & Stucco Masons	240	21	4	\$ 35.48	0	
47-2171	Reinforcing Iron & Rebar Workers	528	65	9	\$ 46.98	0	
47-2181	Roofers	5,107	555	3	\$ 27.09	0	
47-2211	Sheet Metal Workers	5,130	572	9	\$ 35.99	3	
47-2221	Structural Iron & Steel Workers	2,750	338	9	\$ 43.66	0	
47-3011	Helpers-Masons & Tile/Marble Setters	191	27	2	\$ 18.71	0	
47-3012	Helpers-Carpenters	378	54	2	\$ 17.04	0	
47-3013	Helpers-Electricians	580	77	6	\$ 16.22	0	
47-3014	Helpers-Painters/Paperhangers/Plasterers	128	17	2	\$ 14.32	0	
47-3015	Helpers-Plumbers/Pipefitters/Steamfitters	464	68	6	\$ 15.70	0	
47-3016	Helpers-Roofers	192	27	2	\$ 16.92	0	
47-3019	Helpers, Construction Trades, All Other	329	46	2	\$ 16.01	0	
47-4011	Construction & Building Inspectors	2,487	317	7	\$ 32.72	0	
47-4021	Elevator Installers & Repairers	1,008	119	9	\$ 47.30	0	
47-4031	Fence Erectors	1,008	123	3	\$ 24.18	0	

Demand Occupations Training List (DOTL)

SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
47-4041	Hazardous Materials Removal Workers	1,401	202	7	\$ 24.84	0	
47-4051	Highway Maintenance Workers	8,326	944	7	\$ 25.70	4	
47-4071	Septic Servicers/Sewer Pipe Cleaners	868	116	7	\$ 24.02	0	
47-4090	Misc. Construction & Related Workers	942	125	7	\$ 26.42	0	
47-5011	Derrick Operators, Oil & Gas	35	6	2		0	
47-5012	Rotary Drill Operators, Oil & Gas	267	43	3	\$ 19.02	0	
47-5013	Service Unit Operators, Oil/Gas/Mining	93	15	3	\$ 18.10	0	
47-5021	Earth Drillers, Except Oil & Gas	142	20	7		0	
47-5041	Continuous Mining Machine Operators	504	66	3	\$ 28.21	0	
47-5042	Mine Cutting/Channeling Mach Operators	205	26	7		0	
47-5051	Rock Splitters, Quarry	59	8	2	\$ 17.71	0	
47-5061	Roof Bolters, Mining	246	30	7		0	
47-5071	Roustabouts, Oil & Gas	116	19	3	\$ 17.86	0	
47-5081	Helpers--Extraction Workers	225	35	7	\$ 21.66	0	
47-5099	Extraction Workers, All Other	76	12	7		0	
49-1011	1st-Line Spvrs/Mgrs-Mechanics/Installers	14,727	1,388	5	\$ 33.55	0	
49-2011	Computer/ATM/Office Machine Repairers	4,279	444	11	\$ 19.63	3	
49-2022	Telecom Equipment Installers/Repairers	8,543	830	16	\$ 30.05	5	
49-2092	Electric Motor/Power Tool Repairers	763	79	7	\$ 43.36	0	
49-2093	Elec. & Electronics Installers-Trans.Equip.	614	54	17		0	
49-2094	Elec. Repairers-Commercial/Industrial	2,080	182	17	\$ 29.29	0	
49-2095	Elec/Electronics Repairers, Powerhouse	551	52	16	\$ 44.11	0	
49-2096	Elec/Equip. Repairers, Motor Vehicles	391	15	16	\$ 17.29	0	
49-2097	Home Entertainment Equipment Installers	1,261	135	15	\$ 18.64	0	
49-2098	Security/Fire Alarm Systems Installers	1,829	252	7	\$ 28.47	0	
49-3011	Aircraft Mechanics & Service Technicians	4,638	348	14	\$ 32.52	1	IWP
49-3021	Automotive Body & Related Repairers	7,130	696	8	\$ 21.38	4	
49-3022	Automotive Glass Installers & Repairers	432	41	7	\$ 21.23	0	
49-3023	Automotive Service Techs/Mechanics	30,789	2,855	15	\$ 20.10	4	
49-3031	Bus/Truck/Diesel Engine Mechanics	10,532	1,026	8	\$ 24.25	4	
49-3041	Farm Equipment Mechanics & Service Techs.	1,294	135	8	\$ 22.31	0	
49-3042	Mobile Heavy Equipment Mechanics	3,191	323	8	\$ 28.40	0	
49-3043	Rail Car Repairers	3,191	322	8	\$ 25.20	0	
49-3051	Motorboat Mechanics	459	48	8	\$ 17.67	0	
49-3052	Motorcycle Mechanics	271	30	15	\$ 16.82	0	
49-3053	Outdoor Power/Small Engine Mechanics	858	88	7	\$ 15.56	0	
49-3093	Tire Repairers & Changers	3,717	375	6	\$ 13.45	0	
49-9011	Mechanical Door Repairers	200	18	7	\$ 19.86	0	
49-9012	Control & Valve Installers & Repairers	1,078	92	7	\$ 39.08	0	
49-9021	HVAC Mechanics & Installers	8,241	870	17	\$ 27.52	5	
49-9031	Home Appliance Repairers	2,406	252	7	\$ 19.94	0	
49-9041	Industrial Machinery Mechanics	14,107	1,411	8	\$ 26.79	5	
49-9043	Maintenance Workers, Machinery	3,654	369	8	\$ 25.49	0	
49-9044	Millwrights	1,839	173	9	\$ 31.25	0	
49-9051	Electrical Power-Line Installers/Repairers	3,353	307	8	\$ 43.49	0	
49-9052	Telecom. Line Installers & Repairers	2,408	282	8	\$ 28.15	0	
49-9061	Camera/Photographic Equip. Repairers	423	44	8	\$ 18.05	0	
49-9062	Medical Equipment Repairers	1,553	158	20	\$ 22.30	0	
49-9063	Musical Instrument Repairers/Tuners	484	45	9	\$ 18.73	0	
49-9069	Precisn Instrumt/Eqpt. Repairers, All Other	157	17	8	\$ 29.29	0	
49-9071	Maintenance & Repair Workers, General	64,864	6,508	7	\$ 20.11	4	
49-9091	Coin/Vend/Amusement Machine Servicers	1,927	184	6	\$ 18.05	0	
49-9094	Locksmiths & Safe Repairers	995	89	8	\$ 24.44	0	

Demand Occupations Training List (DOTL)

SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
49-9096	Riggers	595	58	7	\$ 34.41	0	
49-9097	Signal & Track Switch Repairers	943	101	7	\$ 37.89	0	
49-9098	Helpers-Installation/Maintenance Workers	2,293	303	6	\$ 15.82	0	
49-9099	Install/Maint/Repair Workers, All Other	10,221	1,128	7	\$ 23.20	0	
51-1011	1st-LineSpvrs/Mgrs Prod/Operating Workers	24,863	2,597	5	\$ 29.09	0	
51-2011	Aircraft Struct/Surfaces/Rigging Asmlers	275	18	7		0	
51-2021	Coil Winders/Tapers & Finishers	571	47	7	\$ 21.21	0	
51-2028	Elec/Electron/ElectMech Asmbl, Ex Coil/Tape/Finish	9,660	1,122	7	\$ 15.79	4	
51-2031	Engine & Other Machine Assemblers	1,821	160	7	\$ 20.69	0	
51-2041	Structural Metal Fabricators & Fitters	2,626	206	7	\$ 19.69	0	
51-2091	Fiberglass Laminators & Fabricators	142	18	7		0	
51-2093	Timing Device Assemblers & Adjusters	26	3	7		0	
51-2098	Assmblrs and Fab, All Other, incl Team Assmblrs	69,046	6,882	7	\$ 15.22	4	
51-3011	Bakers	9,140	1,302	4	\$ 12.88	0	
51-3021	Butchers & Meat Cutters	7,418	948	4	\$ 14.91	0	
51-3022	Meat, Poultry & Fish Cutters/Trimmers	2,747	353	2	\$ 15.46	0	
51-3023	Slaughterers & Meat Packers	4,199	549	2	\$ 14.99	0	
51-3091	Food Roasting/Baking Mach Operators	1,022	145	3	\$ 15.29	0	
51-3092	Food Batchmakers	12,867	1,976	7	\$ 16.92	4	
51-3093	Food Cooking Machine Operators/Tenders	743	119	7	\$ 15.46	0	
51-3099	Food Processing Workers, All Other	1,352	149	3	\$ 14.10	0	
51-4011	Computer-Controlled Mach Tool Operators	5,413	534	7	\$ 18.82	3	
51-4012	Numerical Tool/Process Control Programers	1,146	155	16		0	
51-4021	Extruding/Drawing Mach Setters/Operators	1,481	173	7	\$ 17.70	0	
51-4022	Forging Mach Setters/Operators/Tenders	961	63	7	\$ 19.96	0	
51-4023	Rolling Mach Setters/Operators/Tenders	719	62	7	\$ 20.82	0	
51-4031	Cutting/Punching Mach Setters/Operators	9,542	948	7	\$ 16.98	4	
51-4032	Drilling/Boring Mach Tool Setters/Operators	852	65	7	\$ 20.06	0	
51-4033	Grinding/Polishing Mach Setters/Operators	3,260	335	7	\$ 17.73	0	
51-4034	Lathe/Turning Mach Tool Setters/Operators	3,008	290	7	\$ 20.73	0	
51-4035	Milling/Planing Machine Setters/Operators	1,196	95	7	\$ 22.39	0	
51-4041	Machinists	31,538	3,356	8	\$ 19.44	4	
51-4051	Metal-Refining Furnace Operators/Tenders	627	81	7	\$ 22.28	0	
51-4052	Pourers & Casters, Metal	504	56	7	\$ 20.95	0	
51-4061	Model Makers, Metal & Plastic	529	48	7	\$ 30.79	0	
51-4062	Patternmakers, Metal & Plastic	330	30	7	\$ 23.49	0	
51-4071	Foundry Mold & Coremakers	811	82	7	\$ 22.24	0	
51-4072	Molding/Casting Mach Setters/Operators	7,643	756	7	\$ 16.50	4	
51-4081	Multiple Machine Tool Setters/Operators	12,869	1,386	7	\$ 18.05	4	
51-4111	Tool & Die Makers	5,660	517	17	\$ 25.24	3	
51-4121	Welders, Cutters, Solderers & Brazers	13,180	1,490	7	\$ 19.67	4	
51-4122	Welding/Soldering Mach Setters/Operators	1,466	142	7	\$ 16.36	0	
51-4191	Heat Treating Equip. Setters/Operators	954	88	7	\$ 17.16	0	
51-4192	Lay-Out Workers, Metal & Plastic	24	3	7		0	
51-4193	Plating/Coating Mach Setters/Operators	2,475	227	7	\$ 15.77	0	
51-4194	Tool Grinders, Filers & Sharpeners	473	63	7	\$ 23.26	0	
51-4199	Metal & Plastic Workers, All Other	695	63	7	\$ 15.66	0	
51-5111	Prepress Technicians & Workers	1,347	142	14	\$ 18.49	0	
51-5112	Printing Press Operators	9,734	990	7	\$ 17.64	4	
51-5113	Print Binding & Finishing Workers	2,783	360	7	\$ 16.22	0	
51-6011	Laundry & Dry-Cleaning Workers	8,590	1,059	2	\$ 11.78	0	
51-6021	Pressers, Textile & Garment	762	60	2	\$ 11.38	0	
51-6031	Sewing Machine Operators	4,009	440	2	\$ 13.36	0	

Demand Occupations Training List (DOTL)

SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
51-6041	Shoe & Leather Workers/Repairers	519	61	7	\$ 13.76	0	
51-6042	Shoe Machine Operators/Tenders	9	1	7		0	
51-6052	Tailors/Dressmakers & Custom Sewers	610	76	3	\$ 15.81	0	
51-6061	Textile Bleaching/Dyeing Mach Operators	160	21	6	\$ 14.84	0	
51-6062	Textile Cutting Mach Setters/Operators	529	46	7	\$ 14.36	0	
51-6091	Extruding/Forming Mach Setters/Operators	1,345	190	7	\$ 16.77	0	
51-6093	Upholsterers	869	90	7	\$ 16.15	0	
51-6099	Textile/Apparel/Furnishngs Wrkrs, All Other	243	33	6	\$ 13.06	0	
51-7011	Cabinetmakers & Bench Carpenters	3,674	395	7	\$ 19.41	0	
51-7021	Furniture Finishers	726	82	6	\$ 16.87	0	
51-7041	Sawing Machine Setters/Operators, Wood	1,123	127	7	\$ 14.12	0	
51-7042	Woodworking Machine Setters/Operators	947	137	7	\$ 17.35	0	
51-7099	Woodworkers, All Other	30	4	7		0	
51-8011	Nuclear Power Reactor Operators	221	16	8	\$ 45.03	0	
51-8012	Power Distributors & Dispatchers	539	48	8	\$ 40.93	0	
51-8013	Power Plant Operators	1,160	101	8	\$ 39.30	0	
51-8021	Stationary Engineers & Boiler Operators	2,148	230	8	\$ 43.59	0	
51-8031	Water/Waste Treat Plant/System Operators	4,404	356	8	\$ 27.78	0	
51-8091	Chemical Plant & System Operators	774	80	7	\$ 31.43	0	
51-8092	Gas Plant Operators	522	53	8	\$ 29.54	0	
51-8093	Petro Pump System/Refinery Operators	939	104	7	\$ 42.44	0	
51-8099	Plant & System Operators, All Other	233	26	7	\$ 33.87	0	
51-9011	Chemical Equipment Operators/Tenders	2,279	248	7	\$ 25.44	0	
51-9012	Separate/Filter Mach Setters/Operators	1,396	163	7	\$ 18.34	0	
51-9022	Grinding & Polishing Workers, Hand	691	59	3	\$ 15.86	0	
51-9023	Mixing/Blending Mach Setters/Operators	6,359	738	7	\$ 18.23	4	
51-9031	Cutters & Trimmers, Hand	229	18	2	\$ 13.67	0	
51-9032	Cutting/Slicing Mach Setters/Operators	2,423	305	7	\$ 16.30	0	
51-9041	Extrud/Form/Press Mach Setters/Operators	2,173	242	7	\$ 17.91	0	
51-9051	Furnace/Kiln/Oven/Drier Operators/Tenders	1,079	118	7	\$ 19.79	0	
51-9061	Inspect/Testers/Sorters/Samplers/Weighers	29,069	2,759	7	\$ 18.17	4	
51-9071	Jewelers, Precious Stone & Metal Workers	976	116	8	\$ 14.87	0	
51-9081	Dental Laboratory Technicians	1,193	165	7	\$ 21.38	0	
51-9082	Medical Appliance Technicians	590	84	7	\$ 22.15	0	
51-9083	Ophthalmic Laboratory Technicians	1,469	194	7	\$ 15.09	0	
51-9111	Packaging/Filling Mach Operators/Tenders	18,134	2,140	7	\$ 15.63	4	
51-9121	Coat/Paint/Spray Mach Setters/Operators	2,748	301	7		0	
51-9122	Painters, Transportation Equipment	2,250	251	7		0	
51-9123	Painting, Coating & Decorating Workers	332	37	3	\$ 16.78	0	
51-9151	Photo Process Wrkrs/Process Mach Oprtrs	477	51	6	\$ 19.66	0	
51-9191	Cementing/Gluing Mach Operators/Tenders	590	76	7	\$ 14.67	0	
51-9192	Clean/Wash Pickling Equipment Operators	688	109	7	\$ 13.62	0	
51-9193	Cooling/Freezing Equip Operators/Tenders	313	38	7	\$ 16.61	0	
51-9194	Etchers & Engravers	584	68	7	\$ 16.86	0	
51-9195	Molders/Shapers/Casters, Ex Metal/Plastic	1,440	170	8	\$ 16.75	0	
51-9196	Paper Goods Machine Setters/Operators	3,588	334	7	\$ 17.65	0	
51-9198	Helpers--Production Workers	14,796	2,392	6	\$ 14.34	0	
51-9199	Production Workers, All Other	33,571	3,977	7	\$ 15.50	0	
53-1011	Aircraft Cargo Handling Supervisors	414	46	5		0	
53-1048	1st-LineSpvrs/Trans/Moving Material Workers	15,164	1,769	5		0	
53-2011	Airline Pilots, Copilots & Flight Engineers	7,349	672	24		4	
53-2012	Commercial Pilots	578	60	7		0	
53-2021	Air Traffic Controllers	793	74	21	\$ 71.99	0	

Demand Occupations Training List (DOTL)

SOC Code	SOC Title	2018 Employment	Annual Openings	Education/OJT code	Median Wage	Demand Code	Petition Request
53-2022	Airfield Operations Specialists	495	43	8		0	
53-2031	Flight Attendants	10,741	1,174	7		4	
53-3011	Ambulance Drivers/Attendants, Ex EMTs	621	103	7	\$ 11.22	0	
53-3021	Bus Drivers, Transit & Intercity	6,887	883	7		4	
53-3022	Bus Drivers, School or Special Client	23,524	2,853	6		0	
53-3031	Driver/Sales Workers	14,003	1,459	6	\$ 10.45	0	
53-3032	Truck Drivers, Heavy & Tractor-Trailer	74,404	9,075	15	\$ 23.24	4	
53-3033	Truck Drivers, Light or Delivery Services	51,788	6,415	6	\$ 19.73	0	
53-3041	Taxi Drivers & Chauffeurs	12,262	1,509	2		0	
53-3099	Motor Vehicle Operators, All Other	1,048	183	2	\$ 21.81	0	
53-4011	Locomotive Engineers	1,774	166	7	\$ 33.05	0	
53-4013	Rail Yard Eng./Dinkey Operators/Hostlers	214	20	7		0	
53-4021	Railroad Brake/Signal/Switch Operators	1,101	106	7		0	
53-4031	Railroad Conductors & Yardmasters	2,629	249	7	\$ 32.69	0	
53-4041	Subway & Streetcar Operators	352	38	7		0	
53-5011	Sailors & Marine Oilers	702	83	3	\$ 22.39	0	
53-5021	Captains/Mates/Pilots of Water Vessels	1,289	118	14	\$ 30.36	0	
53-6011	Bridge & Lock Tenders	277	30	6	\$ 28.09	0	
53-6021	Parking Lot Attendants	5,635	790	2	\$ 12.23	0	
53-6031	Auto & Watercraft Service Attendants	2,595	394	2	\$ 12.44	0	
53-6041	Traffic Technicians	114	12	7	\$ 30.80	0	
53-6051	Transportation Inspectors	785	85	7	\$ 37.12	0	
53-6061	Trans. Attendants, Ex Flight Attendants	1,689	222	6	\$ 11.86	0	
53-6099	Transportation Workers, All Other	2,635	251	6		0	
53-7011	Conveyor Operators & Tenders	1,161	135	2	\$ 17.63	0	
53-7021	Crane & Tower Operators	1,778	217	7	\$ 24.48	0	
53-7032	Excavating/Loading Mach/Drumline Operators	561	70	7		0	
53-7033	Loading Mach Operators/Undrground Mining	109	13	2		0	
53-7051	Industrial Truck & Tractor Operators	30,258	3,572	2	\$ 17.39	0	
53-7061	Cleaners of Vehicles & Equipment	18,709	2,841	2	\$ 11.61	0	
53-7062	Laborers/Freight/Stock & Material Movers	160,469	23,308	2	\$ 13.75	0	
53-7063	Machine Feeders & Offbearers	1,865	247	2	\$ 16.87	0	
53-7064	Packers & Packagers, Hand	51,874	7,281	2	\$ 13.57	0	
53-7071	Gas Compressor/Pumping Station Operators	41	4	7		0	
53-7073	Wellhead Pumpers	54	7	7	\$ 17.41	0	
53-7081	Refuse/Recyclable Material Collectors	4,633	729	2	\$ 33.27	0	
53-7111	Mine Shuttle Car Operators	158	16	2		0	
53-7121	Tank Car, Truck & Ship Loaders	189	26	2	\$ 18.32	0	
53-7199	Material Moving Workers, All Other	304	39	2	\$ 15.18	0	