DRAFT – EE/RE OCCUPATIONS LIST

Stimulus Occupations

Updated 07/06/09

ONET Code	Occupation	Stars	Employment Estimates 2006	Employment Estimates 2016	Average Annual Growth Rate	Total Annual Openings	Hourly Wages Inexperienced	Hourly Wages Median	Training Level	Provider Links: Public Providers	Provider Links: Private Providers	* Apprenticeable ~~(X indicates all Apprenticeable occupation)~~
11-0000.00	Management Occupations											
11-3051.00	Industrial Production Managers	5	1,430	1,760	2.3%	80	$26.60	$37.50	Work experience in a related occupation	Find a public provider	Find a private provider	1,2,3,4,5,7
11-9021.00	Construction Managers	5	8,200	11,450	4.0%	450	$21.10	$33.60	Bachelor's degree	Find a public provider	Find a private provider	1,[illegible]5,6
11-9041.00	Engineering Managers	5	1,460	1,890	2.9%	70	$35.10	$48.40	Bachelor's or higher degree, plus work experience	Find a public provider	Find a private provider	1,2,3,4,5,7
~~11-9111.00~~	~~Medical and Health Services Managers~~	~~5~~	~~2,470~~	~~3,190~~	~~2.5%~~	~~120~~	~~$26.20~~	~~$35.50~~	~~Bachelor's or higher degree, plus work experience~~	~~Find a public provider~~	~~Find a private provider~~	
11-1021.00	General and Operations Managers	5	15,410	17,880	1.6%	620	$21.20	$35.50	Bachelor's or higher degree, plus work experience	Find a public provider	Find a private provider	1,2,3,4,5,6,7
13-0000.00	Business and Financial Operations Occupations											
13-1051.00	Cost Estimators	3	2,630	3,830	4.5%	170	$15.80	$24.50	Bachelor's degree	Find a public provider	Find a private provider	1,2,3,4,5,7
13-2021.01	Appraisers and Assessors of Real Estate	2	1,820	2,310	2.7%	90	$13.90	$18.80	Bachelor's degree	Find a public provider	Find a private provider	1,[illegible]5
17-0000.00	Architecture and Engineering Occupations											
17-1011.00	Architects, Except Landscape and Naval	5	1,310	1,760	3.5%	70	$27.60	$34.20	Bachelor's degree	Find a public provider	Find a private provider	1,5
17-1012.00	Landscape Architects	2	200	250	2.6%	10	$19.50	$26.90	Bachelor's degree	Find a public provider	Find a private provider	1,5
17-1022.00	Surveyors	3	660	940	4.1%	50	$14.90	$21.50	Bachelor's degree	Find a public provider	Find a private provider	1,2,5
17-2031.00	Biomedical Engineers	5	550	860	5.6%	40	$24.40	$37.30	Bachelor's degree	Find a public provider	Find a private provider	[illegible],7
17-2041.00	Chemical Engineers	2	190	260	3.8%	10	$28.10	$38.30	Bachelor's degree	Find a public provider	Find a private provider	2,4,7
17-2051.00	Civil Engineers	5	2,470	3,370	3.6%	160	$21.30	$29.90	Bachelor's degree	Find a public provider	Find a private provider	1,2,
17-2071.00	Electrical Engineers	4	910	1,180	2.9%	50	$26.70	$37.70	Bachelor's degree	Find a public provider	Find a private provider	1,2,3,6,7
17-2072.00	Electronics Engineers, Except Computer	4	1,200	1,380	1.5%	50	$30.00	$38.50	Bachelor's degree	Find a public provider	Find a private provider	2,3,7
17-2081.00	Environmental Engineers	4	580	790	3.5%	40	$23.60	$33.20	Bachelor's degree	Find a public provider	Find a private provider	1,2,3,4,5,6,7
17-2111.00	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	3	300	400	3.6%	20	$21.80	$29.50	Bachelor's degree	Find a public provider	Find a private provider	1,2,5,7

* KEY

1) ENERGY EFFICIENT BUILDING CONSTRUCTION AND RETROFIT

2) RENEWABLE ELECTRIC POWER

3) ENERGY EFFICIENT AND ADVANCED DRIVE TRAIN VEHICLE

4) BIOFUELS BIOFUELS

5) DECONSTRUCTION AND MATERIALS USE DECONSTRUCTION & MATERIALS

6) ENERGY EFFICIENCY ASSESSMENT

7) PRODUCTION SUSTAINABLE PRODUCTS ENVIRONMENTALLY SUS PROCESSES & MATERIALS

17-2112.00	Industrial Engineers	5	1,950	2,910	4.9%	140	$25.30	$34.10	Bachelor's degree	Find a public provider	Find a private provider	1, 2, 3, 4, 5, 7
17-2131.00	Materials Engineers	3	310	420	3.6%	20	$24.40	$33.90	Bachelor's degree	Find a public provider	Find a private provider	X 1, 2, 3, 5, 7
17-2141.00	Mechanical Engineers	5	2,580	3,370	3.1%	140	$26.30	$35.20	Bachelor's degree	Find a public provider	Find a private provider	1, 2, 3, 5, 7
17-2199.99	Engineers, All Other	NR	400	460	1.6%	10			Bachelor's degree	Find a public provider	Find a private provider	1, 2, 3, 4, 5, 6, 7
17-3022.00	Civil Engineering Technicians	3	690	870	2.6%	30	$13.90	$19.60	Associate degree	Find a public provider	Find a private provider	1, 2, 5
17-3023.00	Electrical and Electronic Engineering Technicians	3	1,960	2,480	2.6%	90	$13.20	$22.20	Associate degree	Find a public provider	Find a private provider	1, 2, 3, 6, 7
17-3024.00	Electro-Mechanical Technicians	4	120	170	3.5%	10	$18.00	$22.30	Associate degree	Find a public provider	Find a private provider	X 2, 3, 7
17-3025.00	Environmental Engineering Technicians	3	270	400	5.0%	20	$12.40	$14.30	Associate degree	Find a public provider	Find a private provider	1, 2, 3, 4, 5, 6, 7
17-3026.00	Industrial Engineering Technicians	5	720	980	3.6%	40	$16.90	$25.50	Associate degree	Find a public provider	Find a private provider	X 1, 2, 3, 4, 5, 7
17-3027.00	Mechanical Engineering Technicians	4	720	950	3.3%	40	$13.70	$20.40	Associate degree	Find a public provider	Find a private provider	X 1, 2, 3, 5, 7
17-3029.99	Engineering Technicians, Except Drafters, All Other	NR	420	470	1.1%	10			Associate degree	Find a public provider	Find a private provider	1, 2, 3, 4, 5, 7
17-3011.00	Architectural and Civil Drafters	3	1,420	1,740	2.3%	70	$13.90	$18.20	Postsecondary vocational training	Find a public provider	Find a private provider	X 1, 2, 5
17-3012.00	Electrical and Electronics Drafters	3	120	150	2.8%	10	$15.50	$21.30	Postsecondary vocational training	Find a public provider	Find a private provider	X 1, 2, 3,
17-3013.00	Mechanical Drafters	4	830	1,100	3.3%	50	$14.40	$20.60	Postsecondary vocational training	Find a public provider	Find a private provider	X 1, 2, 3, 5, 7
17-3019.99	Drafters, All Other	NR	230	310	3.7%	20			Postsecondary vocational training	Find a public provider	Find a private provider	X 1, 2, 3, 4, 5, 7
19-0000.00	Life, Physical, and Social Science Occupations											
19-1013.00	Soil and Plant Scientists	1	260	320	2.3%	10	$16.40	$25.10	Bachelor's degree	Find a public provider	Find a private provider	4, 5
19-1031.00	Conservation Scientists	3	490	580	1.8%	20	$20.20	$29.30	Bachelor's degree	Find a public provider	Find a private provider	4, 5
19-1032.00	Foresters	1	170	200	2.1%	10	$17.20	$23.30	Bachelor's degree	Find a public provider	Find a private provider	4, 5
~~19-2021.00~~	~~Atmospheric and Space Scientists~~	~~5~~	~~110~~	~~150~~	~~2.0%~~	~~10~~	~~$25.40~~	~~$40.40~~	~~Bachelor's degree~~	~~Find a public provider~~	~~Find a private provider~~	
19-2031.00	Chemists	4	810	1,100	3.5%	50	$18.70	$25.80	Bachelor's degree	Find a public provider	Find a private provider	5, 2, 7, 4
19-2099.99	Physical Scientists, All Other	NR	140	160	1.5%	10			Bachelor's degree	Find a public provider	Find a private provider	4, 5
19-4021.00	Biological Technicians	2	1,270	1,750	3.7%	90	$11.30	$14.10	Bachelor's degree	Find a public provider	Find a private provider	4
19-4031.00	Chemical Technicians	4	850	1,170	3.7%	60	$12.50	$18.40	Associate degree	Find a public provider	Find a private provider	2, 5, 7, 4
19-4091.00	Environmental Science and Protection Technicians, Including Health	5	230	330	4.4%	20	$15.40	$20.40	Associate degree	Find a public provider	Find a private provider	4
19-4093.00	Forest and Conservation Technicians	1	930	1,030	1.1%	50	$11.70	$14.50	Associate degree	Find a public provider	Find a private provider	4, 5
21-0000.00	Community and Social Services Occupations											

21-1022.00	Medical and Public Health Social Workers	9	1,190	1,510	3.7%	60	$14.90	$21.80	Bachelor's degree	Find a public provider	Find a private provider	
21-1091.00	Health Educators	1	950	180	2.0%	10	$15.50	$21.50	Bachelor's degree	Find a public provider	Find a private provider	
29-0000.00	Healthcare Practitioners and Technical Occupations											
29-1031.00	Dietitians and Nutritionists	1	970	440	1.8%	20	$10.50	$21.30	Bachelor's degree	Find a public provider	Find a private provider	
29-1199.99	Health Diagnosing and Treating Practitioners, All Other	NR	100	510	2.7%	20			Bachelor's degree	Find a public provider	Find a private provider	
29-2011.00	Medical and Clinical Laboratory Technologists	9	1,790	2,350	3.6%	90	$18.50	$24.00	Bachelor's degree	Find a public provider	Find a private provider	
29-9011.00	Occupational Health and Safety Specialists	2	450	540	2.1%	20	$19.20	$28.10	Bachelor's degree	Find a public provider	Find a private provider	
29-9099.99	Healthcare Practitioners and Technical Workers, All Other	NR	400	510	2.5%	20			Bachelor's degree	Find a public provider	Find a private provider	
29-1111.00	Registered Nurses	5	17,120	24,090	4.1%	980	$21.80	$26.40	Associate degree	Find a public provider	Find a private provider	
29-1126.00	Respiratory Therapists	5	670	920	3.8%	40	$19.90	$25.10	Associate degree	Find a public provider	Find a private provider	
29-2012.00	Medical and Clinical Laboratory Technicians	3	1,520	2,040	5.4%	80	$10.10	$13.20	Associate degree	Find a public provider	Find a private provider	
29-2021.00	Dental Hygienists	5	1,980	2,110	5.9%	100	$22.00	$30.70	Associate degree	Find a public provider	Find a private provider	
29-2031.00	Cardiovascular Technologists and Technicians	5	270	370	3.8%	10	$11.30	$21.50	Associate degree	Find a public provider	Find a private provider	
29-2032.00	Diagnostic Medical Sonographers	4	250	350	3.3%	10	$28.30	$27.90	Associate degree	Find a public provider	Find a private provider	
29-2034.00	Radiologic Technologists and Technicians	4	1,430	1,850	2.5%	60	$14.70	$21.10	Associate degree	Find a public provider	Find a private provider	
29-2054.00	Respiratory Therapy Technicians	1	100	110	1.7%	10	$11.30	$13.70	Associate degree	Find a public provider	Find a private provider	
29-2071.00	Medical Records and Health Information Technicians	3	2,160	2,910	3.5%	130	$10.00	$13.20	Associate degree	Find a public provider	Find a private provider	
29-2041.00	Emergency Medical Technicians and Paramedics	3	1,770	2,240	2.8%	70	$9.10	$13.30	Postsecondary vocational training	Find a public provider	Find a private provider	X
29-2061.00	Dietetic Technicians	1	240	360	2.6%	10	$8.60	$10.70	Postsecondary vocational training	Find a public provider	Find a private provider	
29-2055.00	Surgical Technologists	3	700	1,000	4.3%	30	$12.30	$13.10	Postsecondary vocational training	Find a public provider	Find a private provider	X
29-2061.00	Licensed Practical and Licensed Vocational Nurses	4	2,490	3,220	2.9%	140	$13.10	$17.20	Postsecondary vocational training	Find a public provider	Find a private provider	X
29-2099.00	Health Technologists and Technicians, All Other	NR	200	250	2.7%	10			Postsecondary vocational training	Find a public provider	Find a private provider	
29-2081.00	Opticians, Dispensing	1	470	610	2.9%	30	$9.90	$13.10	Long-term on-the-job training	Find a public provider	Find a private provider	
29-2052.00	Pharmacy Technicians	5	2,930	3,560	5.4%	200	$11.70	$14.10	Moderate-term on-the-job training	Find a public provider	Find a private provider	
31-0000.00	Healthcare Support Occupations											

31-2011.00	Occupational Therapist Assistants	5	150	210	4.8%	10	$17.00	$21.00	Associate degree	Find a public provider	Find a private provider	
31-2021.00	Physical Therapist Assistants	4	230	350	5.1%	20	$15.60	$18.60	Associate degree	Find a public provider	Find a private provider	
31-1012.00	Nursing Aides, Orderlies, and Attendants	2	8,010	12,070	3.7%	410	$8.30	$9.70	Postsecondary vocational training	Find a public provider	Find a private provider	
31-9094.00	Medical Transcriptionists	3	500	510	3.1%	30	$9.20	$13.80	Postsecondary vocational training	Find a public provider	Find a private provider	
31-9091.00	Dental Assistants	4	5,950	8,090	5.2%	200	$10.20	$12.90	Moderate-term on-the-job training	Find a public provider	Find a private provider	X
31-9092.00	Medical Assistants	4	4,830	7,560	5.5%	340	$9.40	$11.60	Moderate-term on-the-job training	Find a public provider	Find a private provider	
31-1011.00	Home Health Aides	2	4,120	7,110	7.3%	340	$8.10	$9.30	Short-term on-the-job training	Find a public provider	Find a private provider	
31-2022.00	Physical Therapist Aides	2	760	1,150	5.1%	50	$7.00	$8.70	Short-term on-the-job training	Find a public provider	Find a private provider	
31-9099.99	Healthcare Support Workers, All Other	NR	1,190	1,600	3.4%	00			Short-term on-the-job training	Find a public provider	Find a private provider	
37-0000.00	Building and Grounds Cleaning and Maintenance Occupations											
37-3011.00	Landscaping and Groundskeeping Workers	2	12,310	16,380	3.3%	570	$7.50	$9.80	Short-term on-the-job training	Find a public provider	Find a private provider	
37-3019.99	Grounds Maintenance Workers, All Other		400	840	3.8%	20			Short-term on-the-job training	Find a public provider	Find a private provider	
41-0000.00	Sales and Related Occupations											
41-4011.00	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	5	5,600	7,500	3.4%	310	$17.50	$30.00	Work experience in a related occupation	Find a public provider	Find a private provider	
43-0000.00	Office and Administrative Support Occupations											
43-6013.00	Medical Secretaries	4	8,150	8,880	3.6%	320	$9.70	$12.00	Moderate-term on-the-job training	Find a public provider	Find a private provider	X
45-0000.00	Farming, Fishing, and Forestry Occupations											
45-1011.00	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	2	470	520	0.9%	10	$13.20	$19.10	Work experience in a related occupation	Find a public provider	Find a private provider	4, 5
45-2011.00	Agricultural Inspectors	2	190	210	1.3%	10	$13.20	$17.10	Work experience in a related occupation	Find a public provider	Find a private provider	4
45-2092.00	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	3	6,220	6,290	0.1%	160	$7.80	$10.20	Short-term on-the-job training	Find a public provider	Find a private provider	4

45-2093.00	Farmworkers, Farm and Ranch Animals	1	1,000	1,060	0.6%	30	$6.40	$7.10	Short-term on-the-job training	Find a public provider	Find a private provider	X 4
47-0000.00	Construction and Extraction Occupations											
47-1011.01	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	5	10,880	14,280	3.1%	490	$18.70	$23.70	Work experience in a related occupation	Find a public provider	Find a private provider	1,2,5
47-4011.00	Construction and Building Inspectors	4	1,170	1,570	3.4%	60	$15.50	$21.10	Work experience in a related occupation	Find a public provider	Find a private provider	1,2,5
47-2021.00	Brickmasons and Blockmasons	4	2,070	2,870	3.8%	120	$14.50	$20.10	Long-term on-the-job training	Find a public provider	Find a private provider	1,2,5
47-2031.00	Carpenters	4	22,050	29,390	3.3%	1,030	$11.70	$15.90	Long-term on-the-job training	Find a public provider	Find a private provider	X 1,2
47-2111.00	Electricians	5	7,730	10,660	3.8%	490	$14.20	$20.20	Long-term on-the-job training	Find a public provider	Find a private provider	X 1,2
47-2121.00	Glaziers	3	820	1,110	3.5%	40	$12.00	$16.50	Long-term on-the-job training	Find a public provider	Find a private provider	1
47-2152.00	Plumbers, Pipefitters, and Steamfitters	5	5,460	7,340	3.4%	300	$15.00	$21.20	Long-term on-the-job training	Find a public provider	Find a private provider	1,2
47-2161.00	Plasterers and Stucco Masons	2	2,560	3,520	3.8%	160	$8.80	$13.50	Long-term on-the-job training	Find a public provider	Find a private provider	1
47-2171.00	Reinforcing Iron and Rebar Workers	4	700	990	4.2%	50	$11.00	$20.80	Long-term on-the-job training	Find a public provider	Find a private provider	1
47-2211.00	Sheet Metal Workers	5	2,610	3,350	2.8%	140	$11.90	$20.40	Long-term on-the-job training	Find a public provider	Find a private provider	X 1,2
47-2221.00	Structural Iron and Steel Workers	4	660	860	3.3%	40	$13.80	$20.80	Long-term on-the-job training	Find a public provider	Find a private provider	X 1,2
47-2051.00	Cement Masons and Concrete Finishers	4	4,190	5,800	3.6%	280	$11.80	$15.50	Moderate-term on-the-job training	Find a public provider	Find a private provider	X 1
47-2061.00	Construction Laborers	3	17,460	23,800	3.6%	760	$8.20	$11.10	Moderate-term on-the-job training	Find a public provider	Find a private provider	1,5
47-2071.00	Paving, Surfacing, and Tamping Equipment Operators	4	350	450	2.9%	20	$11.20	$14.80	Moderate-term on-the-job training	Find a public provider	Find a private provider	X 1,5
47-2073.00	Operating Engineers and Other Construction Equipment Operators	5	5,910	7,720	3.1%	300	$12.90	$16.90	Moderate-term on-the-job training	Find a public provider	Find a private provider	X 1,5
47-2081.00	Drywall and Ceiling Tile Installers	5	6,070	8,290	3.7%	310	$10.40	$16.50	Moderate-term on-the-job training	Find a public provider	Find a private provider	1
47-2082.00	Tapers	4	540	740	3.7%	30	$15.30	$19.60	Moderate-term on-the-job training	Find a public provider	Find a private provider	1
47-2131.00	Insulation Workers, Floor, Ceiling, and Wall	4	390	510	3.3%	20	$9.50	$12.90	Moderate-term on-the-job training	Find a public provider	Find a private provider	X 1
47-2132.00	Insulation Workers, Mechanical	4	160	210	3.4%	10	$13.10	$14.20	Moderate-term on-the-job training	Find a public provider	Find a private provider	1
47-2141.00	Painters, Construction and Maintenance	5	7,100	10,030	4.1%	420	$11.30	$14.60	Moderate-term on-the-job training	Find a public provider	Find a private provider	1

47-2151.00	Pipelayers	5	1,000	1,320	3.2%	50	$11.20	$14.00	Moderate-term on-the-job training	Find a public provider	Find a private provider	1, 2
47-2181.00	Roofers	5	2,060	2,780	3.5%	120	$12.40	$16.60	Moderate-term on-the-job training	Find a public provider	Find a private provider	X 1
47-4041.00	Hazardous Materials Removal Workers	2	480	580	2.3%	20	$12.20	$17.40	Moderate-term on-the-job training	Find a public provider	Find a private provider	1, 5
~~47-4051.00~~	~~Highway Maintenance Workers~~	~~4~~	~~530~~	~~780~~	~~2.4%~~	~~30~~	~~$14.10~~	~~$18.90~~	~~Moderate-term on-the-job training~~	~~Find a public provider~~	~~Find a private provider~~	
47-4099.99	Construction and Related Workers, All Other	NR	170	220	3.0%	10			Moderate-term on-the-job training	Find a public provider	Find a private provider	1, 5
47-3011.00	Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	3	1,150	1,620	4.0%	80	$8.30	$10.80	Short-term on-the-job training	Find a public provider	Find a private provider	1
47-3012.00	Helpers—Carpenters	3	2,310	3,120	3.5%	140	$9.40	$11.20	Short-term on-the-job training	Find a public provider	Find a private provider	1
47-3013.00	Helpers—Electricians	3	890	1,200	3.5%	50	$8.90	$11.20	Short-term on-the-job training	Find a public provider	Find a private provider	1
47-3014.00	Helpers—Painters, Paperhangers, Plasterers, and Stucco Masons	3	700	880	2.6%	40	$8.00	$10.40	Short-term on-the-job training	Find a public provider	Find a private provider	1
47-3015.00	Helpers—Pipelayers, Plumbers, Pipefitters, and Steamfitters	3	560	780	4.1%	40	$8.10	$11.00	Short-term on-the-job training	Find a public provider	Find a private provider	1
47-3016.00	Helpers—Roofers	4	470	620	3.4%	30	$8.50	$11.40	Short-term on-the-job training	Find a public provider	Find a private provider	1
47-3019.99	Helpers, Construction Trades, All Other	NR	420	570	3.6%	30			Short-term on-the-job training	Find a public provider	Find a private provider	1
49-0000.00	Installation, Maintenance, and Repair Occupations											
49-1011.00	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	5	3,890	4,850	2.5%	190	$19.10	$27.00	Work experience in a related occupation	Find a public provider	Find a private provider	1, 2, 6
~~49-9062.00~~	~~Medical Equipment Repairers~~	~~5~~	~~720~~	~~1,070~~	~~4.9%~~	~~60~~	~~$18.70~~	~~$28.50~~	~~Associate degree~~	~~Find a public provider~~	~~Find a private provider~~	
49-3031.00	Bus and Truck Mechanics and Diesel Engine Specialists	4	3,031	3,936	3.0%	160	$13.81	$18.39	Postsecondary vocational training	Find a public provider	Find a public provider	3
~~49-2022.00~~	~~Telecommunications Equipment Installers and Repairers, Except Line Installers~~	~~2~~	~~1,500~~	~~1,720~~	~~1.5%~~	~~60~~	~~$17.40~~	~~$25.30~~	~~Postsecondary vocational training~~	~~Find a public provider~~	~~Find a private provider~~	
49-2092.00	Electric Motor, Power Tool, and Related Repairers	1	120	130	1.0%	10	$11.40	$13.70	Postsecondary vocational training	Find a public provider	Find a private provider	X
49-2094.00	Electrical and Electronics Repairers, Commercial and Industrial Equipment	4	1,320	1,690	2.8%	80	$15.60	$22.10	Postsecondary vocational training	Find a public provider	Find a private provider	X 2, 3, 5, 7
												1, 2, 3, 4, 5, 7

49-2095.00	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	2	250	270	0.7%	10	$24.60	$30.50	Postsecondary vocational training	Find a public provider	Find a private provider	2
49-2096.00	Electronic Equipment Installers and Repairers, Motor Vehicles	1	100	130	2.1%	10	$10.00	$12.60	Postsecondary vocational training	Find a public provider	Find a private provider	3
49-3023.00	Automotive Service Technicians and Mechanics	4	8,020	10,880	3.6%	450	$10.70	$16.80	Postsecondary vocational training	Find a public provider	Find a private provider	X 3
49-3041.00	Farm Equipment Mechanics	1	150	180	1.5%	10	$11.20	$14.90	Long-term on-the-job training	Find a public provider	Find a private provider	X 4
49-3042.00	Mobile Heavy Equipment Mechanics, Except Engines	4	1,540	1,960	2.7%	70	$15.50	$21.10	Long-term on-the-job training	Find a public provider	Find a private provider	1, 5
49-9021.00	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	4	3,720	5,170	3.9%	210	$12.40	$17.00	Long-term on-the-job training	Find a public provider	Find a private provider	X 1
49-9031.00	Home Appliance Repairers	3	720	930	2.8%	40	$11.30	$16.80	Long-term on-the-job training	Find a public provider	Find a private provider	6
49-9041.00	Industrial Machinery Mechanics	5	2,760	3,770	3.7%	150	$15.30	$20.70	Long-term on-the-job training	Find a public provider	Find a private provider	2 X 7
49-9051.00	Electrical Power-Line Installers and Repairers	5	1,440	1,890	3.1%	90	$14.60	$25.30	Long-term on-the-job training	Find a public provider	Find a private provider	2
~~49-9052.00~~	~~Telecommunications Line Installers and Repairers~~	~~4~~	~~950~~	~~1,150~~	~~2.1%~~	~~50~~	~~$14.10~~	~~$19.30~~	~~Long-term on-the-job training~~	~~Find a public provider~~	~~Find a private provider~~	
49-9012.00	Control and Valve Installers and Repairers, Except Mechanical Door	2	510	570	1.1%	20	$19.70	$23.50	Moderate-term on-the-job training	Find a public provider	Find a private provider	1, 2, 7
49-9069.99	Precision Instrument and Equipment Repairers, All Other	NR	170	190	1.0%	10			Moderate-term on-the-job training	Find a public provider	Find a private provider	2, 7
49-9099.99	Installation, Maintenance, and Repair Workers, All Other	NR	1,660	2,090	2.6%	60			Moderate-term on-the-job training	Find a public provider	Find a private provider	1, 2, 3, 4, 5, 7
49-3053.00	Outdoor Power Equipment and Other Small Engine Mechanics	3	250	290	1.7%	10	$9.60	$13.30	Moderate-term on-the-job training	Find a public provider	Find a private provider	1, 5
49-9042.00	Maintenance and Repair Workers, General	5	10,850	13,460	2.4%	290	$9.90	$14.90	Moderate-term on-the-job training	Find a public provider	Find a private provider	X 7
49-9043.00	Maintenance Workers, Machinery	4	1,090	1,320	2.1%	40	$11.50	$16.50	Moderate-term on-the-job training	Find a public provider	Find a private provider	3, 7
~~49-9055.00~~	~~Tire Repairers and Changers~~	~~2~~	~~1,460~~	~~2,100~~	~~4.3%~~	~~90~~	~~$7.60~~	~~$9.60~~	~~Short-term on-the-job training~~	~~Find a public provider~~	~~Find a private provider~~	
49-9098.00	Helpers—Installation, Maintenance, and Repair Workers	3	1,550	2,060	3.2%	90	$7.90	$10.20	Short-term on-the-job training	Find a public provider	Find a private provider	1, 2, 3, 4, 5, 6, 7
51-0000.00	Production Occupations											
51-9141.00	Semiconductor Processors	3	390	460	1.7%	10	$10.70	$15.20	Associate degree	Find a public provider	Find a private provider	7
51-4121.00	Welders, Cutters, Solderers, and Brazers	4	5,750	7,700	3.4%	320	$12.00	$15.40	Postsecondary vocational training	Find a public provider	Find a private provider	7

51-4122.00	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	2	500	740	4.8%	40	$10.60	$12.00	Postsecondary vocational training	Find a public provider	Find a private provider	X 7
51-5022.09	Prepress Technicians and Workers	1	580	660	1.3%	20	$10.30	$13.90	Postsecondary vocational training	Find a public provider	Find a private provider	7
51-4041.00	Machinists	4	4,150	5,150	2.4%	160	$11.90	$18.10	Long-term on-the-job training	Find a public provider	Find a private provider	X 7
51-4111.00	Tool and Die Makers	3	300	380	2.5%	10	$14.00	$21.40	Long-term on-the-job training	Find a public provider	Find a private provider	X 7
51-7011.00	Cabinetmakers and Bench Carpenters	2	3,280	4,630	4.1%	230	$9.50	$11.70	Long-term on-the-job training	Find a public provider	Find a private provider	X 7
51-8013.00	Power Plant Operators	2	350	410	1.8%	20	$14.60	$22.30	Long-term on-the-job training	Find a public provider	Find a private provider	2 X
51-8021.00	Stationary Engineers and Boiler Operators	2	390	430	1.0%	10	$18.50	$26.00	Long-term on-the-job training	Find a public provider	Find a private provider	2 X
~~51-6051.00~~	~~Water and Liquid Waste Treatment Plant and System Operators~~	~~4~~	~~1,180~~	~~1,480~~	~~2.6%~~	~~50~~	~~$13.90~~	~~$18.00~~	~~Long-term on-the-job training~~	~~Find a public provider~~	~~Find a private provider~~	~~X~~
~~51-9081.00~~	~~Dental Laboratory Technicians~~	~~3~~	~~2,030~~	~~2,940~~	~~4.5%~~	~~130~~	~~$8.20~~	~~$13.90~~	~~Long-term on-the-job training~~	~~Find a public provider~~	~~Find a private provider~~	~~X~~
~~51-9082.00~~	~~Medical Appliance Technicians~~	~~3~~	~~330~~	~~500~~	~~6.1%~~	~~20~~	~~$10.20~~	~~$14.10~~	~~Long-term on-the-job training~~	~~Find a public provider~~	~~Find a private provider~~	
51-2099.99	Assemblers and Fabricators, All Other	NR	2,460	3,010	2.2%	110			Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-2041.00	Structural Metal Fabricators and Fitters	5	1,910	2,560	3.6%	100	$10.60	$14.90	Moderate-term on-the-job training	Find a public provider	Find a private provider	1 X 7
51-2091.00	Fiberglass Laminators and Fabricators	3	470	650	3.7%	30	$6.50	$10.40	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-4011.00	Computer-Controlled Machine Tool Operators, Metal and Plastic	4	430	570	3.4%	20	$10.20	$13.30	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-4021.00	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	4	490	620	2.5%	30	$10.00	$13.80	Moderate-term on-the-job training	Find a public provider	Find a private provider	X 7
51-4022.00	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	2	170	170	-0.1%	10	$10.70	$13.50	Moderate-term on-the-job training	Find a public provider	Find a private provider	X 7
51-4031.00	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	3	1,250	1,360	0.8%	40	$9.60	$12.60	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-4033.00	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	3	830	930	1.2%	20	$8.70	$11.80	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-4071.00	Foundry Mold and Coremakers	3	370	430	1.6%	20	$9.50	$12.70	Moderate-term on-the-job training	Find a public provider	Find a private provider	X 7

51-4072.00	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	3	980	1,110	1.3%	40	$9.10	$11.40	Moderate-term on-the-job training	Find a public provider	Find a private provider	x 7
51-4081.00	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	4	4,000	5,410	3.5%	220	$8.60	$11.60	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-4193.00	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	3	200	330	1.8%	10	$9.60	$14.60	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-7041.00	Sawing Machine Setters, Operators, and Tenders, Wood	3	730	980	3.4%	40	$9.10	$11.20	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-7042.00	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	4	1,810	2,450	3.5%	110	$8.40	$11.60	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-7099.99	Woodworkers, All Other	NR	200	250	2.5%	10			Moderate-term on-the-job training	Find a public provider	Find a private provider	x 7
51-9011.00	Chemical Equipment Operators and Tenders	2	490	600	2.3%	20	$11.20	$17.80	Moderate-term on-the-job training	Find a public provider	Find a private provider	x 7
51-9012.00	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	2	180	210	1.8%	10	$11.70	$16.10	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-9021.00	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	2	370	380	0.4%	10	$9.30	$13.20	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-9022.00	Grinding and Polishing Workers, Hand	3	360	440	2.0%	10	$7.70	$10.30	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-9023.00	Mixing and Blending Machine Setters, Operators, and Tenders	4	1,160	1,380	1.9%	40	$9.80	$12.10	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-9032.00	Cutting and Slicing Machine Setters, Operators, and Tenders	4	900	1,140	2.6%	40	$9.40	$13.00	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-9041.00	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	3	1,060	1,230	1.7%	40	$9.30	$12.10	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-9051.00	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	4	200	260	3.3%	10	$13.10	$16.30	Moderate-term on-the-job training	Find a public provider	Find a private provider	x 7
51-9061.00	Inspectors, Testers, Sorters, Samplers, and Weighers	5	3,740	4,350	1.6%	120	$9.70	$14.60	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
~~51-9083.00~~	~~Ophthalmic Laboratory Technicians~~	~~3~~	~~400~~	~~490~~	~~2.5%~~	~~20~~	~~$7.80~~	~~$9.80~~	~~Moderate-term on-the-job training~~	~~Find a public provider~~	~~Find a private provider~~	

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51-9121.00	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	4	990	1,190	2.0%	40	$9.70	$11.80	Moderate-term on-the-job training	Find a public provider	Find a private provider	x 7
51-9122.00	Painters, Transportation Equipment	4	250	340	3.3%	10	$13.70	$18.50	Moderate-term on-the-job training	Find a public provider	Find a private provider	3, 7
51-9195.00	Molders, Shapers, and Casters, Except Metal and Plastic	4	1,330	1,590	2.0%	60	$8.40	$14.00	Moderate-term on-the-job training	Find a public provider	Find a private provider	7
51-9199.99	Production Workers, All Other	NR	1,010	1,300	3.0%	50			Moderate-term on-the-job training	Find a public provider	Find a private provider	3, 7
51-2022.00	Electrical and Electronic Equipment Assemblers	2	1,630	1,620	-0.1%	30	$8.70	$11.30	Short-term on-the-job training	Find a public provider	Find a private provider	3, 7
51-2023.00	Electromechanical Equipment Assemblers	2	450	500	1.0%	10	$9.00	$12.70	Short-term on-the-job training	Find a public provider	Find a private provider	3, 7
51-2031.00	Engine and Other Machine Assemblers	2	170	190	0.8%	10	$10.10	$13.30	Short-term on-the-job training	Find a public provider	Find a private provider	3, 7
51-5011.00	Bindery Workers	2	550	570	0.5%	10	$9.40	$13.00	Short-term on-the-job training	Find a public provider	Find a private provider	x 3, 7
51-9031.00	Cutters and Trimmers, Hand	NR	80	120	4.5%	10	$7.70	$11.10	Short-term on-the-job training	Find a public provider	Find a private provider	7
51-9111.00	Packaging and Filling Machine Operators and Tenders	3	4,760	5,420	1.4%	160	$7.80	$11.00	Short-term on-the-job training	Find a public provider	Find a private provider	7
51-9198.00	Helpers--Production Workers	2	5,340	6,850	2.8%	280	$7.90	$9.60	Short-term on-the-job training	Find a public provider	Find a private provider	7
53-0000.00	Transportation and Material Moving Occupations											
53-6051.00	Transportation Inspectors	3	370	440	2.0%	20	$15.50	$21.90	Work experience in a related occupation	Find a public provider	Find a private provider	
53-7021.00	Crane and Tower Operators	3	390	510	3.0%	20	$14.10	$23.10	Long-term on-the-job training	Find a public provider	Find a private provider	x 1
53-3032.00	Truck Drivers, Heavy and Tractor trailer	5	22,983	28,459	2.6%	990	$13.52	$17.34	Moderate-term on-the-job training	Find a public provider	Find a public provider	
53-7032.00	Excavating and Loading Machine and Dragline Operators	4	850	1,120	3.2%	40	$13.60	$16.40	Moderate-term on-the-job training	Find a public provider	Find a private provider	1, 2, 5 x
53-7072.00	Pump Operators, Except Wellhead Pumpers	2	100	110	1.5%	10	$13.70	$17.90	Moderate-term on-the-job training	Find a public provider	Find a private provider	3
53-7011.00	Conveyor Operators and Tenders	2	210	240	1.6%	10	$9.70	$13.60	Short-term on-the-job training	Find a public provider	Find a private provider	5 x 7
53-7063.00	Machine Feeders and Offbearers	3	710	870	2.1%	30	$9.30	$12.10	Short-term on-the-job training	Find a public provider	Find a private provider	7
53-7064.00	Packers and Packagers, Hand	2	6,240	6,570	0.5%	110	$6.40	$8.50	Short-term on-the-job training	Find a public provider	Find a private provider	5, 7
53-7081.00	Refuse and Recyclable Material Collectors	3	990	1,140	1.5%	40	$9.90	$14.20	Short-term on-the-job training	Find a public provider	Find a private provider	5