

Region 4 Occupational Projections 2010-2020

SOC	Occupations	Employment		Avg Annual Growth	Average Annual Job Openings		
		2010	2020		Total	Growth	Replacement
00000	Total, All Occupations	524,180	597,820	1.32	19,835	7,565	12,270
110000	Management Occupations	30,300	32,650	0.75	870	250	620
111000	Top Executives	11,140	11,750	0.54	280	65	220
111011	Chief Executives	1,450	1,520	0.47	45	5	40
111021	General and Operations Managers	9,390	9,950	0.58	230	55	175
111031	Legislators	300	280	-0.69	5	0	5
112000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	2,380	2,750	1.46	105	35	70
112011	Advertising and Promotions Managers	230	260	1.23	10	5	5
112021	Marketing Managers	390	460	1.66	20	5	10
112022	Sales Managers	1,390	1,600	1.42	60	20	40
112031	Public Relations Managers	380	430	1.24	15	5	10
113000	Operations Specialties Managers	4,210	4,740	1.19	140	55	85
113011	Administrative Services Managers	390	440	1.21	15	5	10
113021	Computer and Information Systems Managers	710	880	2.17	30	15	10
113031	Financial Managers	1,820	1,960	0.74	45	15	35
113051	Industrial Production Managers	390	460	1.66	15	5	10
113061	Purchasing Managers	240	270	1.19	10	5	5
113071	Transportation, Storage, and Distribution Managers	250	270	0.77	10	0	5
113111	Compensation and Benefits Managers	80	90	1.19	0	0	0
113121	Human Resources Managers	240	280	1.55	10	5	5
113131	Training and Development Managers	90	100	1.06	5	0	0
119000	Other Management Occupations	12,570	13,410	0.65	340	95	245
119013	Farm, Ranch, And Other Agricultural Managers (sic 07)	2,110	2,100	-0.05	40	0	40
119021	Construction Managers	2,060	2,330	1.24	40	25	15
119031	Education Administrators, Preschool and Child Care Center/Program	***	***	2.26	10	5	5
119032	Education Administrators, Elementary and Secondary School	650	720	1.03	25	5	20
119033	Education Administrators, Postsecondary	530	630	1.74	25	10	15
119039	Education Administrators, All Other	110	120	0.87	5	0	5
119041	Engineering Managers	540	590	0.89	15	5	10
119051	Food Service Managers	1,230	1,140	-0.76	25	0	25
119081	Lodging Managers	190	200	0.51	5	0	5
119111	Medical and Health Services Managers	790	970	2.07	35	20	20
119121	Natural Sciences Managers	30	30	0.00	0	0	0
119131	Postmasters and Mail Superintendents	70	50	-3.31	0	0	0
119141	Property, Real Estate, and Community Association Managers	860	860	0.00	20	0	20
119151	Social and Community Service Managers	290	410	3.52	20	10	5
119161	Emergency Management Directors	100	100	0.00	5	0	0
119199	Managers, All Other	2,870	2,970	0.34	75	10	65
130000	Business and Financial Operations Occupations	20,540	24,290	1.69	795	375	420
131000	Business Operations Specialists	10,870	12,850	1.69	410	200	215
131011	Agents and Business Managers of Artists, Performers, and Athletes	20	20	0.00	0	0	0

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		2010	2020		Total	Growth	Replacement
131021	Purchasing Agents and Buyers, Farm Products	30	30	0.00	0	0	0
131022	Wholesale and Retail Buyers, Except Farm Products	350	370	0.56	10	5	10
131023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	880	970	0.98	35	10	25
131031	Claims Adjusters, Examiners, and Investigators	1,470	1,490	0.14	40	5	35
131032	Insurance Appraisers, Auto Damage	100	100	0.00	0	0	0
131041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	570	650	1.32	15	10	5
131051	Cost Estimators	720	930	2.59	35	20	15
131078	Human Resources, Labor Relations, and Training Specialists, All Other	1,480	1,790	1.92	55	30	25
131081	Logisticians	170	230	3.07	10	5	5
131111	Management Analysts	1,850	2,490	3.02	95	65	30
131121	Meeting and Convention Planners	200	260	2.66	10	5	5
131141	Compensation, Benefits, and Job Analysis Specialists	500	540	0.77	10	5	10
131151	Training and Development Specialists	750	980	2.71	35	25	15
131161	Market Research Analysts and Marketing Specialists	200	270	3.05	10	5	5
131199	Business Operations Specialists, All Other	1,600	1,720	0.73	45	10	30
132000	Financial Specialists	9,670	11,440	1.70	385	175	210
132011	Accountants and Auditors	4,830	5,690	1.65	190	85	105
132021	Appraisers and Assessors of Real Estate	300	300	0.00	5	0	5
132031	Budget Analysts	130	160	2.10	5	0	5
132041	Credit Analysts	270	310	1.39	10	5	5
132051	Financial Analysts	440	550	2.26	20	10	10
132052	Personal Financial Advisors	890	1,190	2.95	40	30	10
132053	Insurance Underwriters	300	330	0.96	15	5	10
132061	Financial Examiners	300	380	2.39	15	10	5
132071	Loan Counselors	130	150	1.44	5	0	5
132072	Loan Officers	1,440	1,700	1.67	65	25	35
132081	Tax Examiners, Collectors, and Revenue Agents	160	170	0.61	5	0	5
132082	Tax Preparers	260	280	0.74	10	0	5
132099	Financial Specialists, All Other	230	240	0.43	5	0	5
150000	Computer and Mathematical Occupations	10,330	12,870	2.22	455	255	200
151000	Computer Specialists	10,050	12,530	2.23	435	250	185
151111	Computer and Information Research Scientists	40	50	2.26	0	0	0
151121	Computer Systems Analysts	2,370	2,950	2.21	100	60	45
151131	Computer Programmers	1,700	1,950	1.38	65	25	40
151132	Software Developers, Applications	750	1,020	3.12	35	25	10
151133	Software Developers, Systems Software	1,000	1,420	3.57	50	40	10
151141	Database Administrators	340	440	2.61	15	10	5
151142	Network and computer systems architects and administrators	1,150	1,490	2.62	55	35	20
151150	Computer Support Specialists	1,460	1,810	2.17	70	35	40
151179	Information Security Analysts, Web Developers, and Computer Network Architects	800	910	1.30	25	10	10
151799	Computer Occupations, All Other	440	500	1.29	15	5	10

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152000	Mathematical Scientists	290	340	1.60	20	5	15
152011	Actuaries	80	100	2.26	5	0	5
152031	Operations Research Analysts	140	160	1.34	5	5	5
152041	Statisticians	70	80	1.34	5	0	5
170000	Architecture and Engineering Occupations	6,310	7,090	1.17	220	80	140
171000	Architects, Surveyors, and Cartographers	600	720	1.84	25	10	10
171011	Architects, Except Landscape and Naval	330	390	1.69	15	5	5
171012	Landscape Architects	20	20	0.00	0	0	0
171021	Cartographers and Photogrammetrists	40	50	2.26	0	0	0
171022	Surveyors	210	250	1.76	10	5	5
172000	Engineers	3,690	4,190	1.28	140	50	90
172011	Aerospace Engineers	***	***	1.69	5	0	0
172021	Agricultural Engineers	***	***	0.00	0	0	0
172031	Biomedical Engineers	***	***	7.18	0	0	0
172041	Chemical Engineers	10	20	7.18	0	0	0
172051	Civil Engineers	710	810	1.33	25	10	15
172061	Computer Hardware Engineers	80	100	2.26	5	0	0
172071	Electrical Engineers	1,160	1,250	0.75	35	10	30
172072	Electronics Engineers, Except Computer	200	230	1.41	10	5	5
172081	Environmental Engineers	150	180	1.84	5	5	5
172111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	40	40	0.00	0	0	0
172112	Industrial Engineers	280	320	1.34	10	5	5
172121	Marine Engineers and Naval Architects	***	***	0.00	0	0	0
172131	Materials Engineers	110	120	0.87	5	0	5
172141	Mechanical Engineers	500	580	1.50	25	10	15
172151	Mining and Geological Engineers, Including Mining Safety Engineers	30	40	2.92	0	0	0
172171	Petroleum Engineers	***	***	0.00	0	0	0
172199	Engineers, All Other	250	290	1.50	10	5	5
173000	Drafters, Engineering, and Mapping Technicians	2,020	2,190	0.81	55	20	40
173011	Architectural and Civil Drafters	280	270	-0.36	5	0	5
173012	Electrical and Electronics Drafters	170	190	1.12	5	0	5
173013	Mechanical Drafters	180	200	1.06	5	5	5
173019	Drafters, All Other	110	110	0.00	0	0	0
173021	Aerospace Engineering and Operations Technicians	***	***	0.00	0	0	0
173022	Civil Engineering Technicians	310	330	0.63	10	0	5
173023	Electrical and Electronic Engineering Technicians	290	320	0.99	10	5	5
173024	Electro-Mechanical Technicians	***	***	1.19	5	0	0
173025	Environmental Engineering Technicians	40	50	2.26	0	0	0
173026	Industrial Engineering Technicians	40	50	2.26	0	0	0
173027	Mechanical Engineering Technicians	80	90	1.19	5	0	0
173029	Engineering Technicians, Except Drafters, All Other	130	150	1.44	5	0	0
173031	Surveying and Mapping Technicians	310	340	0.93	10	5	5
190000	Life, Physical, and Social Science Occupations	2,780	3,420	2.09	135	65	70

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191000	Life Scientists	810	1,060	2.73	35	25	10
191012	Food Scientists and Technologists	20	20	0.00	0	0	0
191013	Soil and Plant Scientists	20	20	0.00	0	0	0
191021	Biochemists and Biophysicists	***	***	7.18	0	0	0
191022	Microbiologists	20	20	0.00	0	0	0
191023	Zoologists and Wildlife Biologists	***	***	0.00	0	0	0
191029	Biological Scientists, All Other	***	***	0.00	0	0	0
191031	Conservation Scientists	10	10	0.00	0	0	0
191032	Foresters	60	70	1.55	0	0	0
191041	Epidemiologists	***	***	0.00	0	0	0
191042	Medical Scientists, Except Epidemiologists	***	***	3.27	25	20	5
191099	Life Scientists, All Other	10	10	0.00	0	0	0
192000	Physical Scientists	510	610	1.81	25	10	15
192012	Physicists	20	30	4.14	0	0	0
192021	Atmospheric and Space Scientists	90	130	3.75	5	5	0
192031	Chemists	100	110	0.96	5	0	5
192041	Environmental Scientists and Specialists, Including Health	230	280	1.99	10	5	5
192042	Geoscientists, Except Hydrologists and Geographers	40	40	0.00	0	0	0
192099	Physical Scientists, All Other	***	***	0.00	0	0	0
193000	Social Scientists and Related Workers	370	440	1.75	15	5	10
193011	Economists	40	40	0.00	0	0	0
193022	Survey Researchers	10	10	0.00	0	0	0
193031	Clinical, Counseling, and School Psychologists	160	210	2.76	10	5	5
193039	Psychologists, All Other	***	***	0.00	0	0	0
193041	Sociologists	30	30	0.00	0	0	0
193051	Urban and Regional Planners	70	80	1.34	0	0	0
193093	Historians	***	***	0.00	0	0	0
193099	Social Scientists and Related Workers, All Other	***	***	0.00	0	0	0
194000	Life, Physical, and Social Science Technicians	1,090	1,310	1.86	55	20	35
194011	Agricultural and Food Science Technicians	10	10	0.00	0	0	0
194021	Biological Technicians	***	***	2.44	25	10	15
194031	Chemical Technicians	220	250	1.29	5	5	5
194041	Geological and Petroleum Technicians	10	10	0.00	0	0	0
194051	Nuclear Technicians	***	***	0.00	0	0	0
194061	Social Science Research Assistants	***	***	0.00	5	0	0
194091	Environmental Science and Protection Technicians, Including Health	70	90	2.55	5	0	5
194092	Forensic Science Technicians	***	***	1.55	5	0	0
194093	Forest and Conservation Technicians	20	20	0.00	0	0	0
194099	Life, Physical, and Social Science Technicians, All Other	210	240	1.34	10	5	10
210000	Community and Social Services Occupations	8,780	11,110	2.38	415	235	180
211000	Counselors, Social Workers, and Other Community and Social Service Specialists	5,550	7,280	2.75	295	175	125
211011	Substance Abuse and Behavioral Disorder Counselors	460	570	2.17	20	10	10
211012	Educational, Vocational, and School Counselors	570	670	1.63	20	10	10

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211013	Marriage and Family Therapists	110	150	3.15	5	5	0
211014	Mental Health Counselors	290	410	3.52	20	10	5
211015	Rehabilitation Counselors	300	440	3.90	20	15	5
211019	Counselors, All Other	***	***	0.00	0	0	0
211021	Child, Family, and School Social Workers	990	1,220	2.11	45	25	25
211022	Medical and Public Health Social Workers	580	820	3.52	40	25	15
211023	Mental Health and Substance Abuse Social Workers	220	280	2.44	10	5	5
211029	Social Workers, All Other	250	320	2.50	15	10	5
211091	Health Educators	150	210	3.42	10	5	5
211092	Probation Officers and Correctional Treatment Specialists	320	370	1.46	15	5	5
211093	Social and Human Service Assistants	1,240	1,700	3.21	75	45	25
211798	Community and Social Service Specialists, All Other	***	***	2.26	0	0	0
212000	Religious Workers	3,240	3,830	1.69	115	60	55
212011	Clergy	2,290	2,720	1.74	80	45	40
212021	Directors, Religious Activities and Education	650	760	1.58	25	10	10
212099	Religious Workers, All Other	310	360	1.51	10	5	5
230000	Legal Occupations	4,840	5,610	1.49	160	75	85
231000	Lawyers, Judges, and Related Workers	3,270	3,790	1.49	115	50	60
231011	Lawyers	2,920	3,410	1.56	105	50	55
231012	Judicial Law Clerks	***	***	1.44	5	0	0
231021	Administrative Law Judges, Adjudicators, and Hearing Officers	30	30	0.00	0	0	0
231022	Arbitrators, Mediators, and Conciliators	30	40	2.92	0	0	0
231023	Judges, Magistrate Judges, and Magistrates	170	170	0.00	5	0	5
232000	Legal Support Workers	1,570	1,810	1.43	50	25	25
232011	Paralegals and Legal Assistants	1,130	1,370	1.95	40	25	15
232091	Court Reporters	***	***	0.00	0	0	0
232093	Title Examiners, Abstractors, and Searchers	280	280	0.00	5	0	5
232099	Legal Support Workers, All Other	120	120	0.00	0	0	0
250000	Education, Training, and Library Occupations	27,310	31,860	1.55	1,035	455	580
251000	Postsecondary Teachers	4,440	5,310	1.81	160	90	70
251011	Business Teachers, Postsecondary	150	180	1.84	5	5	0
251021	Computer Science Teachers, Postsecondary	60	70	1.55	0	0	0
251022	Mathematical Science Teachers, Postsecondary	90	110	2.03	5	0	0
251032	Engineering Teachers, Postsecondary	***	***	1.34	5	5	5
251042	Biological Science Teachers, Postsecondary	1,420	1,740	2.05	55	35	25
251052	Chemistry Teachers, Postsecondary	50	60	1.84	0	0	0
251054	Physics Teachers, Postsecondary	60	70	1.55	0	0	0
251061	Anthropology and Archeology Teachers, Postsecondary	***	***	1.84	0	0	0
251062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	***	***	0.00	0	0	0
251063	Economics Teachers, Postsecondary	***	***	4.14	0	0	0
251064	Geography Teachers, Postsecondary	***	***	0.00	0	0	0
251065	Political Science Teachers, Postsecondary	30	40	2.92	0	0	0
251066	Psychology Teachers, Postsecondary	60	80	2.92	0	0	0

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251067	Sociology Teachers, Postsecondary	10	10	0.00	0	0	0
251071	Health Specialties Teachers, Postsecondary	***	***	1.80	15	10	5
251072	Nursing Instructors and Teachers, Postsecondary	190	220	1.48	5	5	5
251081	Education Teachers, Postsecondary	190	230	1.93	5	5	5
251082	Library Science Teachers, Postsecondary	***	***	4.14	0	0	0
251111	Criminal Justice and Law Enforcement Teachers, Postsecondary	***	***	1.84	0	0	0
251112	Law Teachers, Postsecondary	120	150	2.26	5	5	0
251121	Art, Drama, and Music Teachers, Postsecondary	160	190	1.73	5	5	0
251122	Communications Teachers, Postsecondary	70	80	1.34	0	0	0
251123	English Language and Literature Teachers, Postsecondary	100	120	1.84	5	0	0
251124	Foreign Language and Literature Teachers, Postsecondary	60	70	1.55	0	0	0
251125	History Teachers, Postsecondary	50	60	1.84	0	0	0
251126	Philosophy and Religion Teachers, Postsecondary	80	100	2.26	5	0	0
251191	Graduate Teaching Assistants	***	***	1.76	5	5	5
251192	Home Economics Teachers, Postsecondary	***	***	0.00	0	0	0
251193	Recreation and Fitness Studies Teachers, Postsecondary	***	***	2.26	0	0	0
251194	Vocational Education Teachers, Postsecondary	300	350	1.55	10	5	5
251199	Postsecondary Teachers, All Other	***	***	0.69	5	0	0
252000	Primary, Secondary, and Special Education School Teachers	12,880	15,020	1.55	530	215	315
252011	Preschool Teachers, Except Special Education	1,030	1,290	2.28	55	25	25
252012	Kindergarten Teachers, Except Special Education	380	470	2.15	20	10	10
252021	Elementary School Teachers, Except Special Education	3,790	4,520	1.78	155	75	85
252022	Middle School Teachers, Except Special and Vocational Education	2,820	3,370	1.80	115	55	60
252023	Vocational Education Teachers, Middle School	30	30	0.00	0	0	0
252031	Secondary School Teachers, Except Special and Vocational Education	3,580	3,910	0.89	130	35	100
252032	Vocational Education Teachers, Secondary School	340	350	0.29	10	0	10
252041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	350	440	2.32	20	10	10
252053	Special Education Teachers, Middle School	300	370	2.12	15	5	10
252054	Special Education Teachers, Secondary School	***	***	0.72	10	0	10
253000	Other Teachers and Instructors	5,960	6,910	1.49	185	95	90
253011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	300	340	1.26	10	5	5
253021	Self-Enrichment Education Teachers	1,040	1,220	1.61	35	20	15
253999	Teachers, Primary, Secondary, and Adult, All Other (OES Only)	4,620	5,350	1.48	145	75	70
254000	Librarians, Curators, and Archivists	880	950	0.77	35	5	30
254011	Archivists	***	***	0.00	0	0	0
254012	Curators	70	80	1.34	5	0	0
254013	Museum Technicians and Conservators	20	20	0.00	0	0	0
254021	Librarians	490	520	0.60	15	5	15
254031	Library Technicians	300	310	0.33	15	0	15

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259000	Other Education, Training, and Library Occupations	3,160	3,680	1.54	125	50	70
259011	Audio-Visual Collections Specialists	10	20	7.18	0	0	0
259021	Farm and Home Management Advisors	40	50	2.26	0	0	0
259031	Instructional Coordinators	***	***	1.99	10	5	5
259041	Teacher Assistants	2,520	2,940	1.55	100	40	55
259099	Education, Training, and Library Workers, All Other	***	***	1.38	15	5	10
270000	Arts, Design, Entertainment, Sports, and Media Occupations	7,890	9,030	1.36	325	115	210
271000	Art and Design Workers	2,330	2,490	0.67	90	20	70
271011	Art Directors	190	220	1.48	10	5	5
271012	Craft Artists	30	40	2.92	0	0	0
271013	Fine Artists, Including Painters, Sculptors, and Illustrators	70	60	-1.53	0	0	0
271014	Multi-Media Artists and Animators	130	130	0.00	5	0	5
271019	Artists and Related Workers, All Other	40	40	0.00	0	0	0
271021	Commercial and Industrial Designers	60	70	1.55	0	0	0
271022	Fashion Designers	30	30	0.00	0	0	0
271023	Floral Designers	280	260	-0.74	10	0	10
271024	Graphic Designers	800	890	1.07	35	10	25
271025	Interior Designers	200	220	0.96	10	0	5
271026	Merchandise Displayers and Window Trimmers	480	520	0.80	20	5	15
271027	Set and Exhibit Designers	10	10	0.00	0	0	0
271029	Designers, All Other	10	10	0.00	0	0	0
272000	Entertainers and Performers, Sports and Related Workers	2,200	2,680	1.99	105	50	55
272011	Actors	120	140	1.55	5	0	5
272012	Producers and Directors	270	310	1.39	10	5	10
272021	Athletes and Sports Competitors	30	30	0.00	0	0	0
272022	Coaches and Scouts	980	1,280	2.71	55	30	25
272023	Umpires, Referees, and Other Sports Officials	20	20	0.00	0	0	0
272031	Dancers	20	20	0.00	0	0	0
272032	Choreographers	***	***	1.55	5	0	0
272041	Music Directors and Composers	420	490	1.55	15	5	10
272042	Musicians and Singers	240	270	1.19	10	5	5
272099	Entertainers and Performers, Sports and Related Workers, All Other	40	40	0.00	0	0	0
273000	Media and Communication Workers	2,400	2,800	1.55	105	40	65
273011	Radio and Television Announcers	230	250	0.84	10	0	5
273012	Public Address System and Other Announcers	***	***	0.00	0	0	0
273021	Broadcast News Analysts	***	***	0.00	5	0	0
273022	Reporters and Correspondents	110	100	-0.95	5	0	5
273031	Public Relations Specialists	1,270	1,580	2.21	65	30	35
273041	Editors	220	220	0.00	5	0	5
273042	Technical Writers	80	110	3.24	5	0	0
273043	Writers and Authors	370	380	0.27	10	0	10
273091	Interpreters and Translators	50	70	3.42	5	0	0
273099	Media and Communication Workers, All Other	20	20	0.00	0	0	0

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Region 4 Occupational Projections 2010-2020

SOC	Occupations	Employment		Avg Annual Growth	Average Annual Job Openings		
		2010	2020		Total	Growth	Replacement
274000	Media and Communication Equipment Workers	960	1,060	1.00	25	10	15
274011	Audio and Video Equipment Technicians	140	160	1.34	5	0	5
274012	Broadcast Technicians	140	160	1.34	5	0	5
274013	Radio Operators	***	***	0.00	0	0	0
274014	Sound Engineering Technicians	***	***	0.00	0	0	0
274021	Photographers	480	520	0.80	10	5	5
274031	Camera Operators, Television, Video, and Motion Picture	80	80	0.00	0	0	0
274032	Film and Video Editors	60	70	1.55	0	0	0
274099	Media and Communication Equipment Workers, All Other	***	***	0.00	0	0	0
290000	Healthcare Practitioners and Technical Occupations	37,160	46,300	2.22	1,665	915	750
291000	Health Diagnosing and Treating Practitioners	22,720	28,330	2.23	1,000	560	440
291011	Chiropractors	150	180	1.84	5	5	5
291021	Dentists, General	470	570	1.95	25	10	15
291023	Orthodontists	60	80	2.92	5	0	0
291029	Dentists, All Other Specialists	20	30	4.14	0	0	0
291031	Dietitians and Nutritionists	290	380	2.74	20	10	10
291041	Optometrists	170	220	2.61	10	5	5
291051	Pharmacists	1,300	1,530	1.64	55	25	35
291061	Anesthesiologists	***	***	2.77	20	10	5
291062	Family and General Practitioners	340	440	2.61	15	10	5
291063	Internists, General	200	260	2.66	10	5	5
291064	Obstetricians and Gynecologists	90	120	2.92	5	0	0
291065	Pediatricians, General	110	130	1.69	5	5	0
291066	Psychiatrists	70	90	2.55	0	0	0
291067	Surgeons	210	260	2.16	10	5	5
291069	Physicians and Surgeons, All Other	1,410	1,590	1.21	45	20	30
291071	Physician Assistants	240	330	3.24	15	10	5
291081	Podiatrists	40	50	2.26	0	0	0
291111	Registered Nurses	14,280	17,810	2.23	610	355	260
291122	Occupational Therapists	440	640	3.82	30	20	10
291123	Physical Therapists	520	710	3.16	25	20	5
291124	Radiation Therapists	60	60	0.00	0	0	0
291125	Recreational Therapists	80	100	2.26	5	0	5
291126	Respiratory Therapists	500	620	2.17	20	10	10
291127	Speech-Language Pathologists	340	450	2.84	15	10	5
291128	Therapists, all other	220	260	1.69	10	5	5
291131	Veterinarians	430	570	2.86	20	15	10
291181	Audiologists	140	200	3.63	5	5	0
291199	Health Diagnosing and Treating Practitioners, All Other	180	200	1.06	5	0	5
292000	Health Technologists and Technicians	13,720	17,120	2.24	625	340	285
292011	Medical and Clinical Laboratory Technologists	1,010	1,120	1.04	30	10	20
292012	Medical and Clinical Laboratory Technicians	930	1,080	1.51	35	15	20
292021	Dental Hygienists	740	1,060	3.66	45	30	15
292031	Cardiovascular Technologists and Technicians	300	390	2.66	15	10	5
292032	Diagnostic Medical Sonographers	310	440	3.56	20	15	5

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Region 4 Occupational Projections 2010-2020

SOC	Occupations	Employment		Avg Annual Growth	Average Annual Job Openings		
		2010	2020		Total	Growth	Replacement
292033	Nuclear Medicine Technologists	170	200	1.64	5	5	5
292037	Radiologic Technologists and Technicians	850	1,070	2.33	35	20	15
292041	Emergency Medical Technicians and Paramedics	830	1,110	2.95	45	30	15
292051	Dietetic Technicians	100	110	0.96	5	0	0
292052	Pharmacy Technicians	1,830	2,250	2.09	75	40	30
292053	Psychiatric Technicians	***	***	1.69	5	0	0
292054	Respiratory Therapy Technicians	100	100	0.00	0	0	0
292055	Surgical Technologists	490	570	1.52	15	10	10
292056	Veterinary Technologists and Technicians	***	***	3.77	20	15	5
292061	Licensed Practical and Licensed Vocational Nurses	4,210	5,280	2.29	220	105	110
292071	Medical Records and Health Information Technicians	880	1,080	2.07	40	20	20
292081	Opticians, Dispensing	290	370	2.47	15	10	5
292091	Orthotists and Prosthetists	70	90	2.55	5	0	0
292799	Health Technologists and Technicians, All Other	240	270	1.19	10	5	5
299000	Other Healthcare Practitioners and Technical Occupations	710	860	1.94	40	15	25
299011	Occupational Health and Safety Specialists	260	280	0.74	10	5	10
299012	Occupational Health and Safety Technicians	***	***	2.03	5	5	5
299091	Athletic Trainers	60	80	2.92	5	0	0
299799	Healthcare Practitioners and Technical Workers, All Other, including genetic counselors	310	390	2.32	20	10	10
310000	Healthcare Support Occupations	14,670	19,100	2.67	650	440	210
311000	Nursing, Psychiatric, and Home Health Aides	9,150	12,060	2.80	410	290	120
311011	Home Health Aides	2,480	4,090	5.13	190	160	30
311012	Nursing Aides, Orderlies, and Attendants	6,530	7,820	1.82	210	130	85
311013	Psychiatric Aides	***	***	2.10	5	0	0
312000	Occupational and Physical Therapist Assistants and Aides	770	1,150	4.09	50	40	10
312011	Occupational Therapist Assistants	190	300	4.67	15	10	5
312012	Occupational Therapist Aides	***	***	2.92	0	0	0
312021	Physical Therapist Assistants	370	550	4.04	25	20	5
312022	Physical Therapist Aides	180	260	3.75	10	10	5
319000	Other Healthcare Support Occupations	4,750	5,890	2.17	190	115	80
319011	Massage Therapists	230	240	0.43	5	0	5
319091	Dental Assistants	830	1,110	2.95	45	30	15
319092	Medical Assistants	1,700	2,280	2.98	85	55	25
319093	Medical Equipment Preparers	260	300	1.44	10	5	5
319094	Medical Transcriptionists	400	440	0.96	10	5	5
319095	Pharmacy Aides	170	200	1.64	5	5	5
319096	Veterinary Assistants and Laboratory Animal Caretakers	***	***	1.10	15	5	10
319799	Healthcare Support Workers, All Other	640	740	1.46	20	10	10
330000	Protective Service Occupations	13,160	14,450	0.94	435	130	305
331000	First-Line Supervisors/Managers, Protective Service Workers	650	660	0.15	25	0	25
331011	First-Line Supervisors/Managers of Correctional Officers	***	***	0.00	5	0	5
331012	First-Line Supervisors/Managers of Police and Detectives	270	270	0.00	10	0	10

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Region 4 Occupational Projections 2010-2020

SOC	Occupations	Employment		Avg Annual Growth	Average Annual Job Openings		
		2010	2020		Total	Growth	Replacement
331021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	120	120	0.00	5	0	5
331099	First-Line Supervisors/Managers, Protective Service Workers, All Other	190	200	0.51	10	0	5
332000	Fire Fighting and Prevention Workers	1,700	1,770	0.40	55	5	45
332011	Fire Fighters	1,510	1,550	0.26	45	5	40
332021	Fire Inspectors and Investigators	190	210	1.01	5	0	5
333000	Law Enforcement Workers	4,660	4,790	0.28	130	15	120
333011	Bailiffs	***	***	0.00	0	0	0
333012	Correctional Officers and Jailers	1,300	1,320	0.15	25	0	25
333021	Detectives and Criminal Investigators	260	260	0.00	5	0	5
333031	Fish and Game Wardens	***	***	2.92	0	0	0
333051	Police and Sheriff's Patrol Officers	3,000	3,110	0.36	100	10	90
339000	Other Protective Service Workers	6,160	7,220	1.60	225	110	115
339011	Animal Control Workers	50	50	0.00	0	0	0
339021	Private Detectives and Investigators	250	300	1.84	10	5	5
339031	Gaming Surveillance Officers and Gaming Investigators	***	***	4.14	0	0	0
339032	Security Guards	5,300	6,270	1.70	180	95	85
339091	Crossing Guards	210	200	-0.49	5	0	5
339092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	190	210	1.01	15	0	10
339099	Protective Service Workers, All Other	***	***	1.96	10	5	10
350000	Food Preparation and Serving Related Occupations	35,610	38,690	0.83	1,530	320	1,205
351000	Supervisors, Food Preparation and Serving Workers	3,560	3,830	0.73	100	25	75
351011	Chefs and Head Cooks	190	190	0.00	5	0	5
351012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	3,370	3,640	0.77	100	25	70
352000	Cooks and Food Preparation Workers	10,580	11,230	0.60	340	80	260
352011	Cooks, Fast Food	2,750	2,610	-0.52	60	0	60
352012	Cooks, Institution and Cafeteria	1,600	1,730	0.78	45	15	35
352013	Cooks, Private Household	20	20	0.00	0	0	0
352014	Cooks, Restaurant	3,430	3,900	1.29	120	45	75
352015	Cooks, Short Order	400	420	0.49	10	0	10
352019	Cooks, All Other	***	***	0.00	0	0	0
352021	Food Preparation Workers	2,360	2,540	0.74	105	20	85
353000	Food and Beverage Serving Workers	18,080	20,080	1.06	900	200	700
353011	Bartenders	750	800	0.65	30	5	25
353021	Combined Food Preparation and Serving Workers, Including Fast Food	9,110	10,320	1.25	375	120	255
353022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	840	890	0.58	65	5	60
353031	Waiters and Waitresses	6,870	7,470	0.84	405	60	345
353041	Food Servers, Nonrestaurant	510	600	1.64	25	10	15
359000	Other Food Preparation and Serving Related Workers	3,390	3,550	0.46	190	15	175
359011	Dining Room and Cafeteria Attendants and Bartender Helpers	960	990	0.31	40	5	35
359021	Dishwashers	1,230	1,300	0.56	65	5	55

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Region 4 Occupational Projections 2010-2020

SOC	Occupations	Employment		Avg Annual Growth	Average Annual Job Openings		
		2010	2020		Total	Growth	Replacement
359031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,090	1,120	0.27	80	5	75
359099	Food Preparation and Serving Related Workers, All Other	120	140	1.55	10	0	5
370000	Building and Grounds Cleaning and Maintenance Occupations	17,420	19,430	1.10	520	205	315
371000	Supervisors, Building and Grounds Cleaning and Maintenance Workers	1,530	1,650	0.76	35	15	20
371011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	690	670	-0.29	10	0	10
371012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	840	980	1.55	25	15	10
372000	Building Cleaning and Pest Control Workers	12,490	13,860	1.05	370	135	235
372011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	6,760	7,510	1.06	205	75	130
372012	Maids and Housekeeping Cleaners	5,340	5,890	0.99	145	55	90
372019	Building Cleaning Workers, All Other	***	***	0.00	0	0	0
372021	Pest Control Workers	330	390	1.69	20	5	15
373000	Grounds Maintenance Workers	3,390	3,920	1.46	110	50	60
373011	Landscaping and Groundskeeping Workers	2,930	3,420	1.56	100	50	50
373012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	170	180	0.57	5	0	5
373013	Tree Trimmers and Pruners	220	250	1.29	5	0	5
373019	Grounds Maintenance Workers, All Other	***	***	1.34	0	0	0
390000	Personal Care and Service Occupations	13,580	16,870	2.19	685	330	355
391000	Supervisors, Personal Care and Service Workers	720	840	1.55	30	10	15
391021	First-Line Supervisors/Managers of Personal Service Workers	710	830	1.57	30	10	15
392000	Animal Care and Service Workers	630	780	2.16	30	15	15
392011	Animal Trainers	***	***	1.55	0	0	0
392021	Nonfarm Animal Caretakers	570	720	2.36	30	15	15
393000	Entertainment Attendants and Related Workers	1,290	1,470	1.32	90	20	75
393021	Motion Picture Projectionists	40	40	0.00	0	0	0
393031	Ushers, Lobby Attendants, and Ticket Takers	140	160	1.34	10	0	10
393091	Amusement and Recreation Attendants	830	930	1.14	60	10	50
393092	Costume Attendants	***	***	0.00	0	0	0
393093	Locker Room, Coatroom, and Dressing Room Attendants	***	***	1.34	5	0	5
393099	Entertainment Attendants and Related Workers, All Other	***	***	2.03	15	5	10
394000	Funeral Service Workers	260	320	2.10	15	5	10
394011	Embalmers	30	30	0.00	0	0	0
394021	Funeral Attendants	110	130	1.69	5	0	5
394831	Funeral Service Managers, Directors, Morticians, and Undertakers	130	160	2.10	5	5	0
395000	Personal Appearance Workers	2,870	3,110	0.81	80	25	55
395011	Barbers	230	240	0.43	5	0	5
395012	Hairdressers, Hairstylists, and Cosmetologists	1,950	2,110	0.79	50	15	35
395091	Makeup Artists, Theatrical and Performance	***	***	0.00	0	0	0
395092	Manicurists and Pedicurists	350	410	1.60	10	5	5
395093	Shampooers	170	150	-1.24	5	0	5

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Region 4 Occupational Projections 2010-2020

SOC	Occupations	Employment		Avg Annual Growth	Average Annual Job Openings		
		2010	2020		Total	Growth	Replacement
395094	Skin Care Specialists	***	***	2.55	5	5	0
396000	Transportation, Tourism, and Lodging Attendants	40	50	2.26	0	0	0
396011	Baggage Porters and Bellhops	30	40	2.92	0	0	0
396012	Concierges	10	10	0.00	0	0	0
397000	Tour and Travel Guides	50	50	0.00	5	0	0
397011	Tour Guides and Escorts	***	***	0.00	5	0	0
399000	Other Personal Care and Service Workers	7,740	10,260	2.86	435	250	185
399011	Child Care Workers	4,230	5,110	1.91	220	90	135
399021	Personal and Home Care Aides	1,570	2,750	5.77	130	120	10
399031	Fitness Trainers and Aerobics Instructors	770	970	2.34	30	20	10
399032	Recreation Workers	670	860	2.53	30	20	10
399041	Residential Advisors	260	300	1.44	15	5	10
399099	Personal Care and Service Workers, All Other	***	***	0.80	5	0	5
410000	Sales and Related Occupations	63,380	69,810	0.97	2,590	645	1,945
411000	Supervisors, Sales Workers	10,660	11,190	0.49	305	55	250
411011	First-Line Supervisors/Managers of Retail Sales Workers	8,510	8,940	0.49	240	40	200
411012	First-Line Supervisors/Managers of Non-Retail Sales Workers	2,140	2,250	0.50	65	10	55
412000	Retail Sales Workers	32,870	35,630	0.81	1,490	275	1,215
412011	Cashiers	15,750	16,430	0.42	780	70	715
412021	Counter and Rental Clerks	1,900	2,060	0.81	60	15	45
412022	Parts Salespersons	1,220	1,300	0.64	50	10	45
412031	Retail Salespersons	14,010	15,830	1.23	595	180	410
413000	Sales Representatives, Services	5,580	6,460	1.48	230	90	145
413011	Advertising Sales Agents	700	810	1.47	35	10	20
413021	Insurance Sales Agents	2,620	3,140	1.83	115	55	60
413031	Securities, Commodities, and Financial Services Sales Agents	740	800	0.78	25	5	20
413041	Travel Agents	180	200	1.06	5	0	0
413099	Sales Representatives, Services, All Other	1,340	1,500	1.13	55	15	40
414000	Sales Representatives, Wholesale and Manufacturing	10,590	12,610	1.76	450	205	250
414011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1,710	2,020	1.68	70	30	40
414012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	8,870	10,600	1.80	380	170	210
419000	Other Sales and Related Workers	3,690	3,930	0.63	110	25	85
419011	Demonstrators and Product Promoters	210	220	0.47	5	0	5
419021	Real Estate Brokers	240	240	0.00	5	0	5
419022	Real Estate Sales Agents	1,130	1,260	1.10	40	15	25
419031	Sales Engineers	180	170	-0.57	5	0	5
419041	Telemarketers	1,450	1,560	0.73	40	10	30
419091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	240	200	-1.81	5	0	5
419799	Sales and Related Workers, All Other	240	270	1.19	10	0	5
430000	Office and Administrative Support Occupations	93,000	102,280	0.96	3,020	1,040	1,980

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		2010	2020		Total	Growth	Replacement
431000	Supervisors, Office and Administrative Support Workers	7,690	8,840	1.40	320	115	205
431011	First-Line Supervisors/Managers of Office and Administrative Support Workers	7,690	8,840	1.40	320	115	205
432000	Communications Equipment Operators	900	700	-2.48	20	0	20
432011	Switchboard Operators, Including Answering Service	870	670	-2.58	15	0	15
432021	Telephone Operators	30	20	-3.97	0	0	0
432099	Communications Equipment Operators, All Other	***	***	0.00	0	0	0
433000	Financial Clerks	15,420	17,410	1.22	480	200	280
433011	Bill and Account Collectors	1,390	1,590	1.35	45	20	25
433021	Billing and Posting Clerks and Machine Operators	2,150	2,540	1.68	75	40	40
433031	Bookkeeping, Accounting, and Auditing Clerks	8,430	9,640	1.35	215	120	95
433051	Payroll and Timekeeping Clerks	820	940	1.38	30	10	15
433061	Procurement Clerks	210	230	0.91	10	0	10
433071	Tellers	2,420	2,490	0.29	105	5	100
434000	Information and Record Clerks	20,340	22,880	1.18	830	255	575
434011	Brokerage Clerks	380	390	0.26	10	0	10
434021	Correspondence Clerks	60	60	0.00	0	0	0
434031	Court, Municipal, and License Clerks	370	390	0.53	10	0	10
434041	Credit Authorizers, Checkers, and Clerks	180	200	1.06	5	0	5
434051	Customer Service Representatives	8,630	9,770	1.25	360	115	245
434061	Eligibility Interviewers, Government Programs	1,060	1,060	0.00	30	0	30
434071	File Clerks	670	660	-0.15	20	0	20
434081	Hotel, Motel, and Resort Desk Clerks	650	720	1.03	35	5	25
434111	Interviewers, Except Eligibility and Loan	970	1,130	1.54	35	15	20
434121	Library Assistants, Clerical	270	290	0.72	15	0	10
434131	Loan Interviewers and Clerks	1,060	1,060	0.00	20	0	20
434141	New Accounts Clerks	***	***	0.36	10	0	10
434151	Order Clerks	780	810	0.38	25	0	20
434161	Human Resources Assistants, Except Payroll and Timekeeping	480	530	1.00	20	5	15
434171	Receptionists and Information Clerks	3,850	4,880	2.40	220	105	115
434181	Reservation and Transportation Ticket Agents and Travel Clerks	110	120	0.87	5	0	0
434199	Information and Record Clerks, All Other	550	560	0.18	15	0	15
435000	Material Recording, Scheduling, Dispatching, and Distributing Workers	14,000	13,740	-0.19	385	40	340
435011	Cargo and Freight Agents	280	360	2.55	15	5	5
435021	Couriers and Messengers	610	680	1.09	20	5	15
435031	Police, Fire, and Ambulance Dispatchers	600	680	1.26	20	10	10
435032	Dispatchers, Except Police, Fire, and Ambulance	680	790	1.51	25	10	15
435041	Meter Readers, Utilities	170	190	1.12	5	0	5
435051	Postal Service Clerks	240	120	-6.70	5	0	5
435052	Postal Service Mail Carriers	1,140	1,020	-1.11	35	0	35
435053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	720	370	-6.44	5	0	5

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Region 4 Occupational Projections 2010-2020

SOC	Occupations	Employment		Avg Annual Growth	Average Annual Job Openings		
		2010	2020		Total	Growth	Replacement
435061	Production, Planning, and Expediting Clerks	590	640	0.82	20	5	15
435071	Shipping, Receiving, and Traffic Clerks	2,420	2,400	-0.08	60	0	60
435081	Stock Clerks and Order Fillers	6,310	6,240	-0.11	155	0	155
435111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	240	260	0.80	10	0	10
436000	Secretaries and Administrative Assistants	16,920	18,890	1.11	425	195	225
436011	Executive Secretaries and Administrative Assistants	2,610	2,910	1.09	65	30	35
436012	Legal Secretaries	1,850	2,100	1.28	50	25	25
436013	Medical Secretaries	1,130	1,590	3.47	60	45	15
436014	Secretaries, Except Legal, Medical, and Executive	11,340	12,290	0.81	245	95	150
439000	Other Office and Administrative Support Workers	17,720	19,820	1.13	565	230	335
439011	Computer Operators	450	410	-0.93	5	0	5
439021	Data Entry Keyers	1,170	1,080	-0.80	20	0	20
439022	Word Processors and Typists	410	380	-0.76	0	0	0
439031	Desktop Publishers	250	230	-0.83	5	0	5
439041	Insurance Claims and Policy Processing Clerks	1,490	1,590	0.65	55	10	45
439051	Mail Clerks and Mail Machine Operators, Except Postal Service	580	650	1.15	20	5	10
439061	Office Clerks, General	10,500	12,240	1.55	360	175	185
439071	Office Machine Operators, Except Computer	310	300	-0.33	10	0	10
439081	Proofreaders and Copy Markers	80	100	2.26	5	0	0
439111	Statistical Assistants	50	60	1.84	0	0	0
439799	Office and Administrative Support Workers, All Other	2,420	2,790	1.43	90	35	50
450000	Farming, Fishing, and Forestry Occupations	2,660	2,690	0.11	85	10	75
451000	Supervisors, Farming, Fishing, and Forestry Workers	130	130	0.00	5	0	5
451011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	130	130	0.00	5	0	5
452000	Agricultural Workers	1,720	1,800	0.46	60	10	50
452011	Agricultural Inspectors	***	***	0.00	0	0	0
452021	Animal Breeders	40	40	0.00	0	0	0
452041	Graders and Sorters, Agricultural Products	***	***	0.80	10	0	5
452091	Agricultural Equipment Operators	90	90	0.00	5	0	5
452092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	350	350	0.00	10	0	10
452093	Farmworkers, Farm and Ranch Animals	210	230	0.91	10	0	5
452099	Agricultural Workers, All Other	760	800	0.51	25	5	25
453000	Fishing and Hunting Workers	170	170	0.00	5	0	5
453011	Fishers and Related Fishing Workers	160	160	0.00	5	0	5
453021	Hunters and Trappers	10	10	0.00	0	0	0
454000	Forest, Conservation, and Logging Workers	640	590	-0.81	15	0	15
454011	Forest and Conservation Workers	30	30	0.00	0	0	0
454021	Fallers	170	150	-1.24	5	0	5
454022	Logging Equipment Operators	360	330	-0.87	10	0	10
454023	Log Graders and Scalers	80	80	0.00	0	0	0
470000	Construction and Extraction Occupations	25,540	30,490	1.79	1,065	500	565
471000	Supervisors, Construction and Extraction Workers	3,450	4,060	1.64	140	60	80

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Region 4 Occupational Projections 2010-2020

SOC	Occupations	Employment		Avg Annual Growth	Average Annual Job Openings		
		2010	2020		Total	Growth	Replacement
471011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	3,450	4,060	1.64	140	60	80
472000	Construction Trades Workers	17,670	21,110	1.80	715	345	370
472011	Boilermakers	***	***	0.00	0	0	0
472021	Brickmasons and Blockmasons	330	390	1.69	15	5	5
472022	Stonemasons	***	***	2.03	5	0	0
472031	Carpenters	2,750	3,110	1.24	95	35	60
472041	Carpet Installers	180	180	0.00	5	0	5
472042	Floor Layers, Except Carpet, Wood, and Hard Tiles	110	100	-0.95	0	0	0
472043	Floor Sanders and Finishers	40	40	0.00	0	0	0
472044	Tile and Marble Setters	220	280	2.44	10	5	5
472051	Cement Masons and Concrete Finishers	470	590	2.30	20	10	10
472053	Terrazzo Workers and Finishers	***	***	0.00	0	0	0
472061	Construction Laborers	3,020	3,630	1.86	85	60	25
472071	Paving, Surfacing, and Tamping Equipment Operators	440	510	1.49	15	5	10
472072	Pile-Driver Operators	***	***	7.18	0	0	0
472073	Operating Engineers and Other Construction Equipment Operators	1,800	2,240	2.21	85	45	40
472081	Drywall and Ceiling Tile Installers	420	560	2.92	25	15	10
472082	Tapers	20	20	0.00	0	0	0
472111	Electricians	2,530	3,140	2.18	130	60	70
472121	Glaziers	60	70	1.55	5	0	0
472131	Insulation Workers, Floor, Ceiling, and Wall	***	***	1.55	5	5	5
472132	Insulation Workers, Mechanical	100	130	2.66	10	5	5
472141	Painters, Construction and Maintenance	1,160	1,350	1.53	45	20	25
472142	Paperhangers	40	40	0.00	0	0	0
472151	Pipelayers	610	690	1.24	25	10	20
472152	Plumbers, Pipefitters, and Steamfitters	1,560	1,970	2.36	85	40	45
472161	Plasterers and Stucco Masons	70	80	1.34	0	0	0
472171	Reinforcing Iron and Rebar Workers	130	170	2.72	5	5	5
472181	Roofers	390	400	0.25	10	0	10
472211	Sheet Metal Workers	700	770	0.96	20	5	10
472221	Structural Iron and Steel Workers	310	340	0.93	10	5	5
473000	Helpers, Construction Trades	1,720	2,380	3.30	115	65	45
473011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	210	290	3.28	15	10	5
473012	Helpers--Carpenters	270	400	4.01	20	15	5
473013	Helpers--Electricians	690	920	2.92	40	25	20
473014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	***	***	2.92	5	0	0
473015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	330	500	4.24	25	15	10
473016	Helpers--Roofers	70	60	-1.53	0	0	0
473019	Helpers, Construction Trades, All Other	100	130	2.66	5	5	5
474000	Other Construction and Related Workers	1,590	1,730	0.85	60	15	40
474011	Construction and Building Inspectors	380	420	1.01	15	5	10

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Region 4 Occupational Projections 2010-2020

SOC	Occupations	Employment		Avg Annual Growth	Average Annual Job Openings		
		2010	2020		Total	Growth	Replacement
474021	Elevator Installers and Repairers	***	***	1.84	5	0	0
474031	Fence Erectors	50	70	3.42	0	0	0
474041	Hazardous Materials Removal Workers	120	150	2.26	5	5	5
474051	Highway Maintenance Workers	750	800	0.65	25	5	20
474061	Rail-Track Laying and Maintenance Equipment Operators	***	***	-0.87	5	0	5
474071	Septic Tank Servicers and Sewer Pipe Cleaners	100	120	1.84	5	0	0
474091	Segmental Pavers	***	***	0.00	0	0	0
474799	Construction and Related Workers, All Other	210	240	1.34	10	5	5
475000	Extraction Workers	910	970	0.64	25	5	20
475021	Earth Drillers, Except Oil and Gas	90	100	1.06	5	0	0
475031	Explosives Workers, Ordnance Handling Experts, and Blasters	20	20	0.00	0	0	0
475041	Continuous Mining Machine Operators	***	***	1.19	5	0	5
475042	Mine Cutting and Channeling Machine Operators	***	***	0.87	5	0	5
475049	Mining Machine Operators, All Other	***	***	0.74	5	0	5
475061	Roof Bolters, Mining	***	***	1.84	0	0	0
475081	Helpers--Extraction Workers	190	200	0.51	5	0	5
475099	Extraction Workers, All Other	***	***	0.00	0	0	0
490000	Installation, Maintenance, and Repair Occupations	22,870	26,240	1.38	885	340	540
491000	Supervisors of Installation, Maintenance, and Repair Workers	2,060	2,310	1.15	80	25	55
491011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	2,060	2,310	1.15	80	25	55
492000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	2,850	3,230	1.26	100	40	60
492011	Computer, Automated Teller, and Office Machine Repairers	930	1,040	1.12	35	10	25
492021	Radio Mechanics	10	10	0.00	0	0	0
492022	Telecommunications Equipment Installers and Repairers, Except Line Installers	720	800	1.06	20	10	10
492091	Avionics Technicians	***	***	0.00	0	0	0
492092	Electric Motor, Power Tool, and Related Repairers	110	120	0.87	0	0	0
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	***	***	-2.84	0	0	0
492094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	150	160	0.65	5	0	5
492095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	400	490	2.05	20	10	10
492096	Electronic Equipment Installers and Repairers, Motor Vehicles	30	30	0.00	0	0	0
492097	Electronic Home Entertainment Equipment Installers and Repairers	260	280	0.74	10	0	5
492098	Security and Fire Alarm Systems Installers	170	230	3.07	10	5	5
493000	Vehicle and Mobile Equipment Mechanics, Installers	6,660	7,520	1.22	255	90	170
493011	Aircraft Mechanics and Service Technicians	***	***	-0.60	10	0	10
493021	Automotive Body and Related Repairers	580	690	1.75	25	10	15
493022	Automotive Glass Installers and Repairers	40	50	2.26	0	0	0
493023	Automotive Service Technicians and Mechanics	2,890	3,270	1.24	115	40	75

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Region 4 Occupational Projections 2010-2020

SOC	Occupations	Employment		Avg Annual Growth	Average Annual Job Openings		
		2010	2020		Total	Growth	Replacement
493031	Bus and Truck Mechanics and Diesel Engine Specialists	1,150	1,280	1.08	40	15	25
493041	Farm Equipment Mechanics	80	80	0.00	0	0	0
493042	Mobile Heavy Equipment Mechanics, Except Engines	690	840	1.99	35	15	20
493043	Rail Car Repairers	***	***	0.87	5	0	5
493051	Motorboat Mechanics	30	30	0.00	0	0	0
493052	Motorcycle Mechanics	40	40	0.00	0	0	0
493053	Outdoor Power Equipment and Other Small Engine Mechanics	130	150	1.44	5	0	5
493092	Recreational Vehicle Service Technicians	***	***	2.55	5	0	0
493093	Tire Repairers and Changers	510	560	0.94	20	5	15
499000	Other Installation, Maintenance, and Repair Occupations	11,300	13,180	1.55	445	190	260
499011	Mechanical Door Repairers	***	***	1.55	0	0	0
499012	Control and Valve Installers and Repairers, Except Mechanical Door	400	440	0.96	10	5	5
499021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,100	1,470	2.94	55	40	20
499031	Home Appliance Repairers	***	***	0.00	5	0	5
499041	Industrial Machinery Mechanics	1,570	2,070	2.80	80	50	30
499043	Maintenance Workers, Machinery	150	160	0.65	5	0	5
499044	Millwrights	220	220	0.00	5	0	5
499045	Refractory Materials Repairers, Except Brickmasons	30	40	2.92	0	0	0
499051	Electrical Power-Line Installers and Repairers	910	1,060	1.54	45	15	30
499052	Telecommunications Line Installers and Repairers	630	640	0.16	15	0	10
499061	Camera and Photographic Equipment Repairers	20	30	4.14	0	0	0
499062	Medical Equipment Repairers	230	290	2.35	15	5	5
499063	Musical Instrument Repairers and Tuners	20	20	0.00	0	0	0
499069	Precision Instrument and Equipment Repairers, All Other	60	60	0.00	0	0	0
499071	Maintenance and Repair Workers, General	3,580	3,940	0.96	100	35	65
499091	Coin, Vending, and Amusement Machine Servicers and Repairers	140	160	1.34	5	5	5
499092	Commercial Divers	10	10	0.00	0	0	0
499094	Locksmiths and Safe Repairers	200	240	1.84	10	5	5
499095	Manufactured Building and Mobile Home Installers	10	10	0.00	0	0	0
499098	Helpers--Installation, Maintenance, and Repair Workers	1,100	1,320	1.84	75	20	50
499799	Installation, Maintenance, and Repair Workers, All Other	680	740	0.85	20	5	10
510000	Production Occupations	29,160	31,790	0.87	880	295	585
511000	Supervisors, Production Workers	2,610	2,800	0.71	55	20	35
511011	First-Line Supervisors/Managers of Production and Operating Workers	2,610	2,800	0.71	55	20	35
512000	Assemblers and Fabricators	3,700	4,220	1.32	125	55	70
512021	Coil Winders, Tapers, and Finishers	70	70	0.00	0	0	0
512022	Electrical and Electronic Equipment Assemblers	120	120	0.00	0	0	0
512023	Electromechanical Equipment Assemblers	50	50	0.00	0	0	0
512031	Engine and Other Machine Assemblers	120	140	1.55	5	0	0
512041	Structural Metal Fabricators and Fitters	440	520	1.69	15	10	10

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Region 4 Occupational Projections 2010-2020

SOC	Occupations	Employment		Avg Annual Growth	Average Annual Job Openings		
		2010	2020		Total	Growth	Replacement
512091	Fiberglass Laminators and Fabricators	120	130	0.80	5	0	0
512092	Team Assemblers	2,340	2,670	1.33	80	35	45
512099	Assemblers and Fabricators, All Other	440	520	1.69	15	10	10
513000	Food Processing Workers	1,900	2,030	0.66	65	10	55
513011	Bakers	260	260	0.00	10	0	10
513021	Butchers and Meat Cutters	250	260	0.39	5	0	5
513022	Meat, Poultry, and Fish Cutters and Trimmers	***	***	1.01	25	5	20
513023	Slaughterers and Meat Packers	480	510	0.61	15	5	15
513091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	30	30	0.00	0	0	0
513092	Food Batchmakers	140	140	0.00	5	0	5
513093	Food Cooking Machine Operators and Tenders	80	100	2.26	5	0	0
514000	Metal Workers and Plastic Workers	8,550	9,740	1.31	285	120	165
514011	Computer-Controlled Machine Tool Operators, Metal and Plastic	500	700	3.42	30	20	10
514012	Numerical Tool and Process Control Programmers	20	20	0.00	0	0	0
514021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	570	590	0.35	15	0	10
514022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	110	120	0.87	5	0	0
514023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	***	***	1.88	20	10	10
514031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	730	780	0.67	10	5	5
514032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	150	150	0.00	0	0	0
514033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	230	250	0.84	5	0	5
514034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	130	140	0.74	5	0	5
514035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	70	80	1.34	0	0	0
514041	Machinists	1,440	1,620	1.19	45	20	25
514051	Metal-Refining Furnace Operators and Tenders	260	380	3.87	15	10	5
514052	Pourers and Casters, Metal	170	190	1.12	5	0	5
514062	Patternmakers, Metal and Plastic	30	30	0.00	0	0	0
514071	Foundry Mold and Coremakers	100	120	1.84	5	0	0
514072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	610	680	1.09	15	5	10
514081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	620	660	0.63	15	5	10
514111	Tool and Die Makers	120	140	1.55	0	0	0
514121	Welders, Cutters, Solderers, and Brazers	1,630	1,910	1.60	70	30	45
514122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	160	180	1.19	5	0	5
514191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	***	***	0.00	5	0	5
514192	Lay-Out Workers, Metal and Plastic	30	30	0.00	0	0	0

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		2010	2020		Total	Growth	Replacement
514193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	230	260	1.23	10	5	5
514194	Tool Grinders, Filers, and Sharpeners	40	50	2.26	0	0	0
514199	Metal Workers and Plastic Workers, All Other	40	40	0.00	0	0	0
515000	Printing Workers	910	880	-0.34	20	0	20
515111	Prepress Technicians and Workers	100	90	-1.05	0	0	0
515112	Printing Press Operators and Job Printers	630	630	0.00	10	0	10
515113	Print Binding and Finishing Workers	180	170	-0.57	5	0	5
516000	Textile, Apparel, and Furnishings Workers	1,910	1,710	-1.10	20	0	20
516011	Laundry and Dry-Cleaning Workers	570	550	-0.36	10	0	10
516021	Pressers, Textile, Garment, and Related Materials	300	260	-1.42	0	0	0
516031	Sewing Machine Operators	600	460	-2.62	5	0	5
516041	Shoe and Leather Workers and Repairers	***	***	0.00	0	0	0
516051	Sewers, Hand	80	70	-1.33	0	0	0
516052	Tailors, Dressmakers, and Custom Sewers	140	140	0.00	0	0	0
516062	Textile Cutting Machine Setters, Operators, and Tenders	30	30	0.00	0	0	0
516063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	40	40	0.00	0	0	0
516091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	***	***	0.00	0	0	0
516093	Upholsterers	60	60	0.00	0	0	0
516099	Textile, Apparel, and Furnishings Workers, All Other	60	60	0.00	0	0	0
517000	Woodworkers	790	850	0.74	20	5	15
517011	Cabinetmakers and Bench Carpenters	330	340	0.30	10	0	10
517021	Furniture Finishers	40	40	0.00	0	0	0
517031	Model Makers, Wood	***	***	0.00	0	0	0
517032	Patternmakers, Wood	***	***	0.00	0	0	0
517041	Sawing Machine Setters, Operators, and Tenders, Wood	130	150	1.44	5	0	5
517042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	210	240	1.34	5	5	0
517099	Woodworkers, All Other	70	60	-1.53	0	0	0
518000	Plant and System Operators	950	1,110	1.57	45	15	30
518011	Nuclear Power Reactor Operators	***	***	7.18	0	0	0
518012	Power Distributors and Dispatchers	***	***	2.03	5	0	5
518013	Power Plant Operators	***	***	1.28	20	5	15
518021	Stationary Engineers and Boiler Operators	70	90	2.55	5	0	0
518031	Water and Liquid Waste Treatment Plant and System Operators	280	320	1.34	10	5	5
518091	Chemical Plant and System Operators	***	***	2.55	5	0	0
518092	Gas Plant Operators	30	30	0.00	0	0	0
518093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	30	30	0.00	0	0	0
518099	Plant and System Operators, All Other	***	***	0.00	0	0	0
519000	Other Production Occupations	7,840	8,460	0.76	240	70	170
519011	Chemical Equipment Operators and Tenders	30	30	0.00	0	0	0
519012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	200	220	0.96	5	0	5

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Region 4 Occupational Projections 2010-2020

SOC	Occupations	Employment		Avg Annual Growth	Average Annual Job Openings		
		2010	2020		Total	Growth	Replacement
519021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	170	170	0.00	5	0	5
519022	Grinding and Polishing Workers, Hand	160	170	0.61	5	0	5
519023	Mixing and Blending Machine Setters, Operators, and Tenders	570	570	0.00	15	0	15
519031	Cutters and Trimmers, Hand	***	***	0.00	0	0	0
519032	Cutting and Slicing Machine Setters, Operators, and Tenders	90	100	1.06	5	0	0
519041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	110	110	0.00	5	0	5
519051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	80	90	1.19	5	0	0
519061	Inspectors, Testers, Sorters, Samplers, and Weighers	1,290	1,460	1.25	45	15	30
519071	Jewelers and Precious Stone and Metal Workers	80	80	0.00	0	0	0
519081	Dental Laboratory Technicians	180	200	1.06	5	0	5
519082	Medical Appliance Technicians	***	***	2.92	5	0	0
519083	Ophthalmic Laboratory Technicians	***	***	0.69	5	0	5
519111	Packaging and Filling Machine Operators and Tenders	910	970	0.64	20	5	15
519121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	670	740	1.00	20	10	15
519122	Painters, Transportation Equipment	200	210	0.49	5	0	5
519123	Painting, Coating, and Decorating Workers	140	170	1.96	5	5	5
519151	Photographic Process Workers and Processing Machine Operators	220	180	-1.99	5	0	5
519191	Cementing and Gluing Machine Operators and Tenders	10	10	0.00	0	0	0
519192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	80	80	0.00	0	0	0
519193	Cooling and Freezing Equipment Operators and Tenders	***	***	0.00	0	0	0
519194	Etchers and Engravers	90	90	0.00	0	0	0
519195	Molders, Shapers, and Casters, Except Metal and Plastic	180	190	0.54	5	0	5
519196	Paper Goods Machine Setters, Operators, and Tenders	80	80	0.00	0	0	0
519198	Helpers--Production Workers	1,590	1,770	1.08	45	15	25
519399	Production Workers, All Other	510	560	0.94	20	5	15
530000	Transportation and Material Moving Occupations	36,910	41,770	1.25	1,430	495	935
531000	Supervisors, Transportation and Material Moving Workers	1,980	2,300	1.51	75	30	40
531011	Aircraft Cargo Handling Supervisors	***	***	0.00	0	0	0
531021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	890	1,090	2.05	40	20	20
531031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	1,080	1,190	0.98	35	10	20
532000	Air Transportation Workers	260	300	1.44	15	5	10
532011	Airline Pilots, Copilots, and Flight Engineers	30	40	2.92	0	0	0
532012	Commercial Pilots	190	230	1.93	10	5	5
532021	Air Traffic Controllers	***	***	-2.84	0	0	0
533000	Motor Vehicle Operators	15,900	18,300	1.42	550	240	310
533011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	***	***	2.44	5	5	0

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Region 4 Occupational Projections 2010-2020

SOC	Occupations	Employment		Avg Annual Growth	Average Annual Job Openings		
		2010	2020		Total	Growth	Replacement
533021	Bus Drivers, Transit and Intercity	390	410	0.50	10	0	10
533022	Bus Drivers, School	1,810	1,850	0.22	40	5	35
533031	Driver/Sales Workers	1,520	1,610	0.58	40	10	30
533032	Truck Drivers, Heavy and Tractor-Trailer	8,420	10,190	1.93	345	175	165
533033	Truck Drivers, Light or Delivery Services	3,050	3,410	1.12	95	35	60
533041	Taxi Drivers and Chauffeurs	410	490	1.80	15	10	5
533099	Motor Vehicle Operators, All Other	***	***	0.51	5	0	5
534000	Rail Transportation Workers	870	820	-0.59	30	0	30
534011	Locomotive Engineers	***	***	-0.64	10	0	10
534012	Locomotive Firers	***	***	0.00	0	0	0
534013	Rail Yard Engineers, Dinkey Operators, and Hostlers	30	30	0.00	0	0	0
534021	Railroad Brake, Signal, and Switch Operators	***	***	-0.54	5	0	5
534031	Railroad Conductors and Yardmasters	***	***	-0.67	10	0	10
534099	Rail Transportation Workers, All Other	***	***	0.00	0	0	0
535000	Water Transportation Workers	40	50	2.26	5	0	0
535011	Sailors and Marine Oilers	***	***	0.00	0	0	0
535021	Captains, Mates, and Pilots of Water Vessels	10	10	0.00	0	0	0
535022	Motorboat Operators	10	10	0.00	0	0	0
535031	Ship Engineers	***	***	0.00	0	0	0
536000	Other Transportation Workers	1,010	1,130	1.13	45	10	30
536011	Bridge and Lock Tenders	***	***	0.00	0	0	0
536021	Parking Lot Attendants	310	310	0.00	10	0	10
536031	Service Station Attendants	320	410	2.51	20	10	10
536041	Traffic Technicians	***	***	0.00	0	0	0
536051	Transportation Inspectors	70	80	1.34	5	0	0
536099	Transportation Workers, All Other	300	320	0.65	10	5	10
537000	Material Moving Workers	16,850	18,880	1.14	715	205	510
537011	Conveyor Operators and Tenders	230	260	1.23	10	5	5
537021	Crane and Tower Operators	420	480	1.34	20	5	10
537031	Dredge Operators	20	20	0.00	0	0	0
537032	Excavating and Loading Machine and Dragline Operators	530	550	0.37	20	0	15
537033	Loading Machine Operators, Underground Mining	***	***	0.00	10	0	10
537041	Hoist and Winch Operators	50	60	1.84	0	0	0
537051	Industrial Truck and Tractor Operators	2,550	2,850	1.12	100	30	70
537061	Cleaners of Vehicles and Equipment	1,030	1,270	2.12	55	25	30
537062	Laborers and Freight, Stock, and Material Movers, Hand	9,090	10,250	1.21	405	115	290
537063	Machine Feeders and Offbearers	370	350	-0.55	5	0	5
537064	Packers and Packagers, Hand	1,320	1,420	0.73	50	10	40
537071	Gas Compressor and Gas Pumping Station Operators	***	***	0.00	0	0	0
537072	Pump Operators, Except Wellhead Pumpers	***	***	2.92	0	0	0
537081	Refuse and Recyclable Material Collectors	600	700	1.55	30	10	20
537111	Shuttle Car Operators	***	***	0.00	0	0	0
537121	Tank Car, Truck, and Ship Loaders	***	***	0.84	10	0	5
537199	Material Moving Workers, All Other	***	***	0.00	0	0	0

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