

SCOWB Demand Occupation List 2018

SOC	Description	2017 Jobs	2023 Jobs	2017 - 2023 % Change	Median Hourly Earnings	Annual Openin gs	Typical Entry Level Education	Work Experience Required	
11-2022	Sales Managers	143	158	10%	\$35.02	15	Bachelor's deg	Less than 5 years	
11-3011	Administrative Services Managers	271	284	5%	\$31.53	25	Bachelor's deg	Less than 5 years	
11-3021	Computer and Information Systems Managers	131	146	11%	\$39.65	13	Bachelor's deg	5 years or more	
11-3031	Financial Managers	488	539	10%	\$28.48	46	Bachelor's deg	5 years or more	
11-9111	Medical and Health Services Managers	433	451	4%	\$35.30	37	Bachelor's deg	Less than 5 years	
11-9199	Managers, All Other	606	646	7%	\$22.32	51	Bachelor's deg	Less than 5 years	
11-1021	General and Operations Managers	1,483	1,592	7%	\$34.59	144	Bachelor's deg	5 years or more	
11-3021	Computer and Information Systems Managers	3,264	3,561	9%	\$47.42	277	Bachelor's deg	5 years or more	
11-3031	Financial Managers	6,532	7,073	8%	\$43.58	543	Bachelor's deg	5 years or more	
11-9021	Construction Managers	2,996	3,222	8%	\$35.55	234	Bachelor's deg	None	
11-9041	Architectural and Engineering Managers	2,191	2,114	-4%	\$56.68	153	Bachelor's deg	5 years or more	
11-9111	Medical and Health Services Managers	5,899	6,585	12%	\$37.09	532	Bachelor's deg	Less than 5 years	
13-1022	Wholesale and Retail Buyers, Except Farm Products	1,301	1,402	8%	\$27.00	162	Bachelor's deg	None	
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm	3,883	3,849	-1%	\$27.07	338	Bachelor's deg	None	
13-1051	Cost Estimators	94	107	14%	\$25.53	12	Bachelor's deg	None	
13-1071	Human Resources Specialists	477	494	4%	\$24.45	51	Bachelor's deg	None	
13-1081	Logisticians	2,280	2,436	7%	\$35.28	239	Bachelor's deg	None	
13-1111	Management Analysts	267	338	27%	\$31.10	37	Bachelor's deg	Less than 5 years	
13-1151	Training and Development Specialists	392	410	5%	\$19.65	42	Bachelor's deg	Less than 5 years	
13-1161	Market Research Analysts and Marketing Specialists	157	213	36%	\$23.30	27	Bachelor's deg	None	
13-1199	Business Operations Specialists, All Other	497	539	8%	\$34.83	53	Bachelor's deg	None	
13-2011	Accountants and Auditors	666	740	11%	\$26.44	74	Bachelor's deg	None	
13-2041	Credit Analysts	615	676	10%	\$24.36	58	Bachelor's deg	None	
13-2051	Financial Analysts	1,780	1,883	6%	\$30.80	169	Bachelor's deg	None	
13-2052	Personal Financial Advisors	1,235	1,496	21%	\$29.72	127	Bachelor's deg	None	
13-2061	Financial Examiners	429	549	28%	\$26.52	44	Bachelor's deg	None	
13-2072	Loan Officers	253	266	5%	\$26.93	24	Bachelor's deg	None	
13-2082	Tax Preparers	90	102	13%	\$15.67	12	High school di	None	
15-1121	Computer Systems Analysts	135	155	15%	\$32.09	13	Bachelor's deg	None	
15-1122	Information Security Analysts	675	707	5%	\$34.44	52	Bachelor's deg	Less than 5 years	
15-1131	Computer Programmers	106	107	1%	\$33.72	7	Bachelor's degree		
15-1132	Software Developers, Applications	154	200	30%	\$35.07	19	Bachelor's deg	None	
15-1133	Software Developers, Systems Software	49	63	29%	\$35.79	6	Bachelor's degree		
15-1134	Web Developers	943	1,096	16%	\$24.34	86	Associate's de	None	
15-1141	Database Administrators	943	1,000	6%	\$33.23	68	Bachelor's deg	None	
15-1142	Network and Computer Systems Administrators	182	190	4%	\$30.54	13	Bachelor's degree		
15-1151	Computer User Support Specialists	355	380	7%	\$18.99	31	Some college,	None	

15-2031	Operations Research Analysts	827	928	12%	\$28.35	67	Bachelor's deg	None	
17-1011	Architects, Except Landscape and Naval	28	34	21%	\$35.45	3	Bachelor's deg	None	
17-1021	Cartographers and Photogrammetrists	12	13	8%	\$27.60	sf. Data	Bachelor's deg	None	
17-1022	Surveyors	45	48	7%	\$25.19	4	Bachelor's deg	None	
17-2011	Aerospace Engineers	31	32	3%	\$46.38	2	Bachelor's deg	None	
17-2021	Agricultural Engineers	<10	<10	nsf. Data	Insf. Data	sf. Data	Bachelor's deg	None	
17-2041	Chemical Engineers	20	22	10%	\$45.54	sf. Data	Bachelor's deg	None	
17-2051	Civil Engineers	117	130	11%	\$38.70	11	Bachelor's deg	None	
17-2061	Computer Hardware Engineers	12	13	8%	\$49.74	sf. Data	Bachelor's deg	None	
17-2071	Electrical Engineers	52	58	12%	\$41.14	5	Bachelor's deg	None	
17-2072	Electronics Engineers, Except Computer	138	135	(2%)	\$32.48	9	Bachelor's deg	None	
17-2081	Environmental Engineers	34	39	15%	\$33.31	3	Bachelor's deg	None	
17-2111	Health and Safety Engineers, Except Mining Safety Engi	26	28	8%	\$38.60	2	Bachelor's deg	None	
17-2112	Industrial Engineers	59	67	14%	\$38.28	6	Bachelor's deg	None	
17-2131	Materials Engineers	19	17	(11%)	\$40.73	sf. Data	Bachelor's deg	None	
17-2141	Mechanical Engineers	199	179	(10%)	\$36.94	13	Bachelor's deg	None	
17-2151	Mining and Geological Engineers, Including Mining Safef	14	13	(7%)	\$36.67	sf. Data	Bachelor's deg	None	
17-2171	Petroleum Engineers	130	111	(15%)	\$40.32	9	Bachelor's deg	None	
17-2199	Engineers, All Other	78	81	4%	\$41.98	6	Bachelor's deg	None	
17-3011	Architectural and Civil Drafters	29	34	17%	\$23.68	4	Associate's de	None	
17-3012	Electrical and Electronics Drafters	17	17	0%	\$27.79	sf. Data	Associate's de	None	
17-3013	Mechanical Drafters	70	58	(17%)	\$24.99	6	Associate's de	None	
17-3019	Drafters, All Other	<10	<10	nsf. Data	Insf. Data	sf. Data	Associate's de	None	
17-3021	Aerospace Engineering and Operations Technicians	4			\$30.65	4	Postsecondary nondegree award		
17-3022	Civil Engineering Technicians	34	37	9%	\$24.65	4	Associate's de	None	
17-3023	Electrical and Electronics Engineering Technicians	244	245	0%	\$31.64	22	Associate's de	None	
17-3024	Electro-Mechanical Technicians	14	13	(7%)	\$24.18	sf. Data	Associate's de	None	
17-3025	Environmental Engineering Technicians	18	20	11%	\$20.92	2	Associate's de	None	
17-3026	Industrial Engineering Technicians	50	48	(4%)	\$26.12	5	Associate's de	None	
17-3027	Mechanical Engineering Technicians	42	38	(10%)	\$27.27	4	Associate's de	None	
17-3029	Engineering Technicians, Except Drafters, All Other	75	75	0%	\$27.90	7	Associate's de	None	
19-2041	Environmental Scientists and Specialists, Including Heal	478	570	19%	\$27.08	56	Bachelor's deg	None	
19-2042	Geoscientists, Except Hydrologists and Geographers	1,040	1,180	13%	\$54.73	113	Bachelor's deg	None	
19-4031	Chemical Technicians	557	590	6%	\$22.07	58	Associate's de	None	
19-4041	Geological and Petroleum Technicians	1,302	1,406	8%	\$25.92	148	Associate's de	None	
19-4091	Environmental Science and Protection Technicians, Includ	371	403	9%	\$14.41	48	Associate's de	None	
25-2011	Preschool Teachers, Except Special Education	378	389	3%	\$11.90	41	Associate's degree		
25-2012	Kindergarten Teachers, Except Special Education	159	151	(5%)	\$17.13	15	Bachelor's degree		
25-2021	Elementary School Teachers, Except Special Education	1,220	1,164	(5%)	\$16.81	85	Bachelor's degree		
25-2022	Middle School Teachers, Except Special and Career/Tec	540	516	(4%)	\$17.12	38	Bachelor's degree		
25-2031	Secondary School Teachers, Except Special and Career	857	819	(4%)	\$17.25	58	Bachelor's degree		

25-2052	Special Education Teachers, Kindergarten and Elementary	2,140	2,192	2%	\$18.94	162	Bachelor's deg	None	
25-3021	Self-Enrichment Education Teachers	181	202	12%	\$16.35	25	High school di	Less than 5 years	
27-1024	Graphic Designers	127	143	13%	\$20.56	15	Bachelor's deg	None	
27-2022	Coaches and Scouts	153	163	7%	\$17.63	23	Bachelor's deg	None	
29-1031	Dietitians and Nutritionists	741	848	14%	\$25.92	57	Bachelor's deg	None	
29-1126	Respiratory Therapists	72	78	8%	\$23.04	5	Associate's degree		
29-1141	Registered Nurses	1,479	1,549	5%	\$26.94	89	Bachelor's deg	None	
29-2011	Medical and Clinical Laboratory Technologists	2,041	2,348	15%	\$26.82	164	Bachelor's deg	None	
29-2012	Medical and Clinical Laboratory Technicians	2,201	2,583	17%	\$14.99	183	Associate's de	None	
29-2021	Dental Hygienists	149	163	9%	\$36.39	12	Associate's de	None	
29-2031	Cardiovascular Technologists and Technicians	599	691	15%	\$16.59	43	Associate's de	None	
29-2032	Diagnostic Medical Sonographers	926	1,096	18%	\$31.90	69	Associate's de	None	
29-2034	Radiologic Technologists	141	145	3%	\$23.36	8	Associate's degree		
29-2035	Magnetic Resonance Imaging Technologists	330	373	13%	\$29.83	23	Associate's de	Less than 5 years	
29-2041	Emergency Medical Technicians and Paramedics	340	385	13%	\$11.11	31	Postsecondary	None	
29-2052	Pharmacy Technicians	311	322	4%	\$14.38	27	High school di	None	
29-2055	Surgical Technologists	92	96	4%	\$16.11	8	Postsecondary nondegree award		
29-2056	Veterinary Technologists and Technicians	90	105	17%	\$12.77	10	Associate's degree		
29-2061	Licensed Practical and Licensed Vocational Nurses	903	891	(1%)	\$17.86	68	Postsecondary nondegree award		
29-2071	Medical Records and Health Information Technicians	180	187	4%	\$16.61	12	Postsecondary nondegree award		
29-9011	Occupational Health and Safety Specialists	1,363	1,502	10%	\$31.41	83	Bachelor's deg	None	
31-1011	Home Health Aides	385	444	15%	\$11.19	57	High school di	None	
31-1014	Nursing Assistants	953	1,002	5%	\$10.50	118	Postsecondary	None	
31-2021	Physical Therapist Assistants	54	60	11%	\$26.94	8	Associate's degree		
31-9091	Dental Assistants	285	305	7%	\$16.92	35	Postsecondary	None	
31-9092	Medical Assistants	426	446	5%	\$12.40	50	Postsecondary	None	
31-9097	Phlebotomists	103	115	12%	\$12.36	13	Postsecondary	None	
33-1012	First-Line Supervisors of Police and Detectives	296	313	6%	\$28.61	21	High school di	Less than 5 years	
33-1021	First-Line Supervisors of Fire Fighting and Prevention W	152	165	9%	\$26.38	13	Postsecondary	Less than 5 years	
33-2011	Firefighters	383	418	9%	\$18.02	33	Postsecondary	None	
33-3051	Police and Sheriff's Patrol Officers	770	818	6%	\$17.55	61	High school di	None	
33-9032	Security Guards	581	634	9%	\$15.08	89	High school di	None	
39-9031	Fitness Trainers and Aerobics Instructors	169	187	11%	\$18.99	33	High school di	None	
41-1012	First-Line Supervisors of Non-Retail Sales Workers	216	235	9%	\$17.92	23	High school di	Less than 5 years	
41-3021	Insurance Sales Agents	496	510	3%	\$19.51	53	High school di	None	
41-3099	Sales Representatives, Services, All Other	414	481	16%	\$19.52	64	High school di	None	
41-4011	Sales Representatives, Wholesale and Manufacturing, T	262	286	9%	\$25.22	33	Bachelor's deg	None	
41-4012	Sales Representatives, Wholesale and Manufacturing, E	442	497	12%	\$20.13	58	High school di	None	
43-1011	First-Line Supervisors of Office and Administrative Supp	1,276	1,291	1%	\$19.90	128	High school di	Less than 5 years	
43-3021	Billing and Posting Clerks	278	301	8%	\$15.32	32	High school di	None	
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,170	1,182	1%	\$15.48	136	Some college,	None	

43-5011	Cargo and Freight Agents	90	103	14%	\$17.47	10	High school di	None	
43-5031	Police, Fire, and Ambulance Dispatchers	138	151	9%	\$14.50	15	High school di	None	
43-6013	Medical Secretaries	543	560	3%	\$12.71	62	High school di	None	
43-9199	Office and Administrative Support Workers, All Other	119	129	8%	\$17.83	15	High school di	None	
47-1011	First-Line Supervisors of Construction Trades and Extrac	665	700	5%	\$25.39	78	High school di	5 years or more	
47-2031	Carpenters	5,070	5,533	9%	\$17.42	526	High school di	None	
47-2073	Operating Engineers and Other Construction Equipment	516	582	13%	\$16.57	72	High school di	None	
47-2111	Electricians	6,658	7,631	15%	\$23.47	887	High school di	None	
47-2152	Plumbers, Pipefitters, and Steamfitters	472	525	11%	\$17.77	61	High school di	None	
47-4011	Construction and Building Inspectors	109	121	11%	\$21.49	14	High school di	5 years or more	
47-5011	Derrick Operators, Oil and Gas	1,153	1,254	9%	\$23.17	158	No formal edu	None	
49-1011	First-Line Supervisors of Mechanics, Installers, and Repa	490	508	4%	\$29.25	46	High school di	Less than 5 years	
49-3011	Aircraft Mechanics and Service Technicians	556	540	(16)	\$29.79	42	Postsecondary nondegree award		
49-3021	Automotive Body and Related Repairers	106	110	4%	\$15.66	11	High school diploma or equivalent		
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	284	297	5%	\$18.97	29	High school di	None	
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	168	180	7%	\$21.53	19	High school di	None	
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics a	435	467	7%	\$20.04	49	Postsecondary	None	
49-9041	Industrial Machinery Mechanics	271	296	9%	\$23.05	29	High school di	None	
49-9043	Maintenance Workers, Machinery	2,777	2,956	6%	\$19.64	309	High school di	None	
49-9051	Electrical Power-Line Installers and Repairers	139	163	17%	\$27.67	16	High school di	None	
49-9081	Wind Turbine Service Technicians	15	21	40%	\$20.66	3	Postsecondary nondegree award		
51-1011	First-Line Supervisors of Production and Operating Work	8,589	8,382	-2%	\$25.56	831	High school di	Less than 5 years	
51-4011	Computer-Controlled Machine Tool Operators, Metal and	3,197	3,083	-4%	\$17.69	322	High school di	None	
51-4041	Machinists	364	306	(16%)	\$18.35	37	High school diploma or equivalent		
51-4121	Welders, Cutters, Solderers, and Brazers	511	512	0%	\$17.33	62	High school diploma or equivalent		
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	5,881	5,261	-11%	\$18.07	638	High school di	None	
51-9196	Paper Goods Machine Setters, Operators, and Tenders	162	177	9%	\$18.59	20	High school di	None	
53-1031	First-Line Supervisors of Transportation and Material-Mc	2,972	3,230	9%	\$26.03	340	High school di	Less than 5 years	
53-1048	First-line Supervisors of Transportation and Material Mov	277	289	4%	\$23.37	31	High school di	Less than 5 years	
53-3021	Bus Drivers, Transit and Intercity	93	103	11%	\$12.24	14	High school di	None	
53-3022	Bus Drivers, School or Special Client	358	363	1%	\$9.55	46	High school diploma or equivalent		
53-3032	Heavy and Tractor-Trailer Truck Drivers	1,594	1,635	3%	\$18.89	184	Postsecondary	None	
53-3033	Light Truck or Delivery Services Drivers	9,111	9,687	6%	\$14.75	1,051	High school di	None	