

HIGH-TECH INDUSTRY TAXONOMY - STEM - Subdomain 1

Life and Physical Science, Engineering, Mathematics and Information Technology Occupations

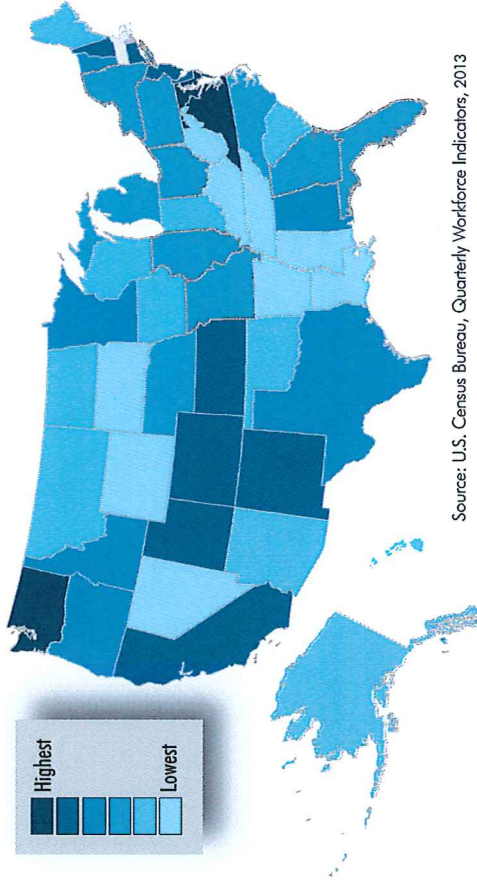
Concentration of STEM Occupations by Industry

CORE CONCENTRATION

Industries with at least 5X average concentration in STEM occupations

334100	Computer and Peripheral Equipment Manufacturing	5X
334200	Communications Equipment Manufacturing	
334400	Semiconductor and Other Electronic Component Manufacturing	
334500	Navigational, Measuring, Electromedical and Control Instruments Manufacturing	
336400	Aerospace Product and Parts Manufacturing	
511200	Software Publishers	
518200	Data Processing, Hosting and Related Services	
519100	Other Information Services	
541500	Computer Systems Design and Related Services	
541300	Architectural, Engineering and Related Services	
541700	Scientific Research and Development Services	

Concentration of Core High-Tech Industries by State



Below are the supersectors containing the industries that comprise this taxonomy.

21 - Mining, Quarrying & Oil & Gas Extraction

22 - Utilities

31-33 - Manufacturing

42 - Wholesale Trade

48-49 - Transportation & Warehousing

51 - Information

52 - Finance & Insurance

54 - Professional, Scientific & Technical Services

55 - Management of Companies & Enterprises



PERIPHERAL CONCENTRATION

Industries with at least 2.5X average concentration in STEM occupations

211100	Oil and Gas Extraction	2.5X
221100	Electric Power Generation, Transmission and Distribution	
324100	Petroleum and Coal Products Manufacturing	
325100	Basic Chemical Manufacturing	
325200	Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing	
325400	Pharmaceutical and Medicine Manufacturing	
333200	Industrial Machinery Manufacturing	
333300	Commercial and Service Industry Machinery Manufacturing	
333600	Engine, Turbine and Power Transmission Equipment Manufacturing	
334300	Audio and Video Equipment Manufacturing	
335300	Electrical Equipment Manufacturing	
423400	Professional and Commercial Equipment and Supplies Merchant Wholesalers	
423600	Household Appliances and Electrical and Electronic Goods Merchant Wholesalers	
424200	Drugs and Druggists' Sundries Merchant Wholesalers	
486100	Pipeline Transportation of Crude Oil	
517100	Wired Telecommunications Carriers	
517200	Wireless Telecommunications Carriers (except Satellite)	
517900	Other Telecommunications	
521100	Monetary Authorities-Central Bank	
541600	Management, Scientific and Technical Consulting Services	
551100	Management of Companies and Enterprises	

HEALTH-TECH INDUSTRY TAXONOMY - STEM - Subdomain 4

Health Occupations

Concentration of STEM Occupations by Industry

CORE CONCENTRATION

Industries with at least 5X average concentration in STEM occupations

5X

- 446100 Health and Personal Care Stores
- 621100 Offices of Physicians
- 621200 Offices of Dentists
- 621300 Offices of Other Health Practitioners
- 621400 Outpatient Care Centers
- 621500 Medical and Diagnostic Laboratories
- 622100 General Medical and Surgical Hospitals
- 622200 Psychiatric and Substance Abuse Hospitals
- 622300 Specialty (except Psychiatric and Substance Abuse) Hospitals
- 621900 Other Ambulatory Health Care Services

PERIPHERAL CONCENTRATION

Industries with at least 2.5X average concentration in STEM occupations

2.5X

- 541900 Other Professional, Scientific and Technical Services
- 621600 Home Health Care Services
- 623100 Nursing Care Facilities (Skilled Nursing Facilities)

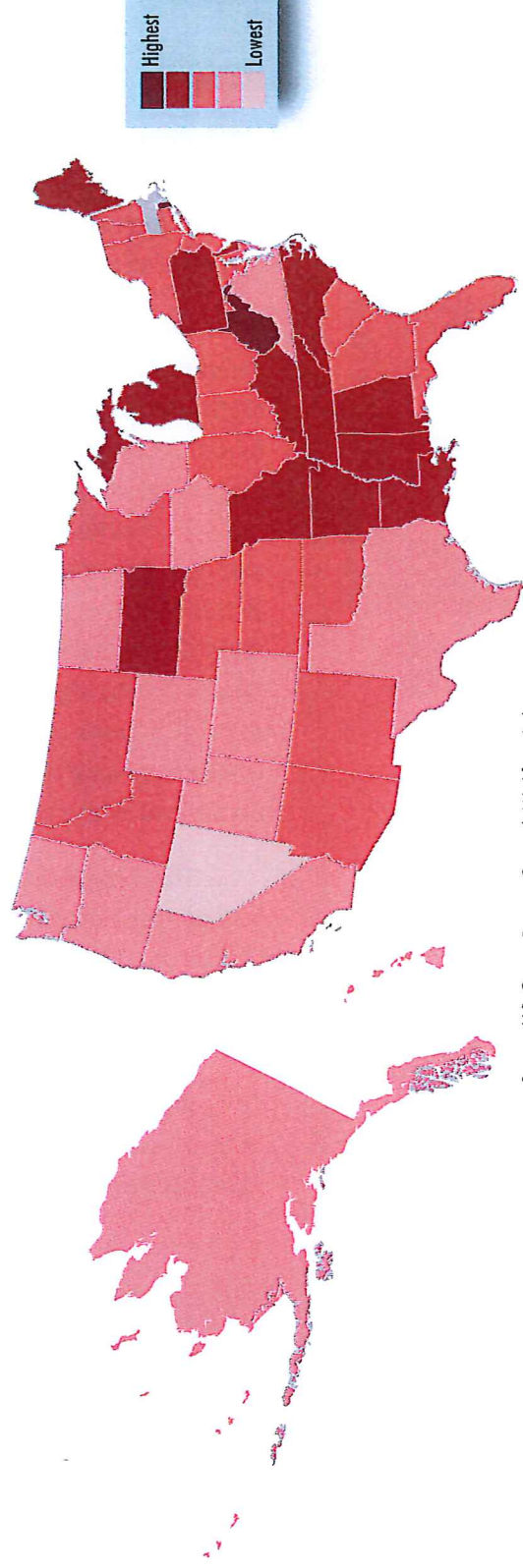
Below are the supersectors containing the industries that comprise this taxonomy.

44-45 - Retail Trade

54 - Professional, Scientific & Technical Services

62 - Health Care and Social Assistance

Concentration of Core Health-Tech Industries by State



Source: U.S. Census Bureau, Quarterly Workforce Indicators, 2013

Statewide 2015 Occupational Wages Estimates/All Industries

SOC	Occupation	Estimated Employment	Mean Wage	10th	25th	Percentile 50th	75th	90th	Annual Average
00-0000	Total all occupations	1189610	\$20.34	8.62	10.92	16.13	24.65	36.76	\$42,310
15-2011	Actuaries	30	\$41.12	34.05	38.26	41.56	44.92	48.46	\$85,540
15-2031	Operations Research Analysts	210	\$35.61	17.58	26.48	35.62	44.65	54.05	\$74,060
15-2041	Statisticians	80	\$0.00	0	0	0	0	0	\$0
17-2011	Aerospace Engineers	30	\$40.38	28.17	32.21	36.99	45.03	64.4	\$83,980
17-2041	Chemical Engineers	50	\$43.64	29.96	35.25	41.32	46.31	56.4	\$90,770
17-2051	Civil Engineers	1810	\$41.33	25.59	31.39	39.74	49.62	59.97	\$85,970
17-2061	Computer Hardware Engineers	140	\$41.52	30.22	32.57	36.49	47.33	62.74	\$86,360
17-2071	Electrical Engineers	440	\$42.02	28.29	33.83	41.49	49.41	58.32	\$87,410
17-2072	Electronics Engineers, Except Comput	530	\$43.95	26.61	33.56	41.32	48.49	58.65	\$91,420
17-2081	Environmental Engineers	350	\$41.67	25.05	31.52	38.61	49.7	60.25	\$86,670
17-2111	Health and Safety Engineers, Except	190	\$39.73	24.51	28.78	36.53	53.08	58.4	\$82,640
17-2112	Industrial Engineers	610	\$38.93	28.08	32.28	37.53	45.9	54	\$80,980
17-2131	Materials Engineers	110	\$43.49	27.08	36.04	43.57	52.06	58.35	\$90,460
17-2141	Mechanical Engineers	550	\$41.20	26.23	30.63	35.81	46.43	65.27	\$85,700
17-2151	Mining and Geological Engineers, Incl	520	\$43.56	27.62	34.83	43.28	52.75	59.85	\$90,610
17-2161	Nuclear Engineers	30	\$52.68	33.13	37.53	53.42	67.23	75.01	\$109,570
17-2199	Engineers, All Other	680	\$49.01	28.15	34.74	47.48	64.56	74.32	\$101,930
17-3011	Architectural and Civil Drafters	710	\$23.84	14.71	16.78	21.35	29.5	36.81	\$49,580
17-3012	Electrical and Electronics Drafters	520	\$27.01	16.53	18.8	27.67	33.09	36.51	\$56,190
17-3013	Mechanical Drafters	140	\$22.67	15.57	17.11	21.3	27.54	32.91	\$47,140
17-3019	Drafters, All Other	160	\$23.56	13.93	17.63	22.39	29.53	35.18	\$49,010
17-3022	Civil Engineering Technicians	820	\$26.26	16.31	19.4	25.96	32.66	37.07	\$54,620
17-3023	Electrical and Electronics Engineering	1100	\$33.09	21.83	27.57	32.41	38.01	46.81	\$68,840
17-3024	Electro-Mechanical Technicians	50	\$23.22	13.16	15.42	22.24	29.57	35.48	\$48,300
17-3025	Environmental Engineering Technicians	230	\$30.12	17.46	24.8	31.81	35.8	40.53	\$62,650
17-3026	Industrial Engineering Technicians	150	\$24.55	15.96	18.19	22.52	28.46	36	\$51,070
17-3027	Mechanical Engineering Technicians	160	\$24.46	13.35	16.61	21.67	30.39	42.25	\$50,870
17-3029	Engineering Technicians, Except Draft	360	\$32.40	20.4	25.47	32.04	39.88	45.6	\$67,390
17-3031	Surveying and Mapping Technicians	200	\$27.44	17.04	22.21	27.67	33.47	37.34	\$57,070
19-1012	Food Scientists and Technologists	20	\$25.18	17.94	19.38	21.25	23.13	46.15	\$52,380
19-1013	Soil and Plant Scientists	30	\$35.60	26.25	29.58	33.42	36.75	44.75	\$74,050
19-1022	Microbiologists	50	\$38.66	22.61	27.85	34.19	51.76	61.88	\$80,420
19-1023	Zoologists and Wildlife Biologists	300	\$27.30	16.62	20.39	26.88	33.14	36.95	\$56,780
19-1029	Biological Scientists, All Other	190	\$32.50	22.95	26.88	33.45	37.86	40.1	\$67,600
19-1031	Conservation Scientists	180	\$29.39	16.23	20.38	28.81	36.24	42.86	\$61,130
19-1032	Foresters	20	\$28.84	21.79	25.37	29.15	33.05	36.27	\$59,990
19-1042	Medical Scientists, Except Epidemiol	190	\$48.71	27.97	38.68	45.14	54.69	73.65	\$101,310
19-1099	Life Scientists, All Other	40	\$26.27	18.98	21.03	24.86	29.78	35.87	\$54,630
19-2012	Physicists	60	\$58.99	28.15	37.94	49.59	69.34	0	\$122,690
19-2021	Atmospheric and Space Scientists	130	\$46.09	21.93	28.8	41.21	51.65	71.8	\$95,880
19-2031	Chemists	260	\$41.88	22.92	28.65	40.74	53.01	61.81	\$87,120
19-2041	Environmental Scientists and Speciali	710	\$33.43	19.81	25.52	32.49	38.65	50.41	\$69,540
19-2042	Geoscientists, Except Hydrologists and	750	\$44.04	21.04	32.58	43.18	53.98	66.96	\$91,590
19-2043	Hydrologists	200	\$45.36	23.02	31.59	42.57	55.63	69.44	\$94,350
19-2099	Physical Scientists, All Other	120	\$47.90	25.14	33.9	50.32	61.5	71.44	\$99,620
19-3011	Economists	80	\$39.10	23.63	30.47	38.61	48.57	56.66	\$81,330
19-3022	Survey Researchers	60	\$15.27	9.9	11.94	13.58	17.14	23.26	\$31,750
19-3031	Clinical, Counseling, and School Psych	460	\$32.10	20.49	25.15	31.9	39.34	45.21	\$66,770
19-3039	Psychologists, All Other	50	\$40.94	21.04	41.05	43.71	46.36	51.65	\$85,160
19-3051	Urban and Regional Planners	190	\$39.95	27.09	33.41	39.91	46.35	54.74	\$83,090
19-3091	Anthropologists and Archeologists	170	\$30.45	19.22	21.65	28.12	36.23	43.7	\$63,330
19-3093	Historians	10	\$30.08	19.44	21.64	30.94	38.99	41.21	\$62,560
19-3099	Social Scientists and Related Worker	140	\$35.17	23.04	27.88	33.42	41.05	50.85	\$73,160
19-4021	Biological Technicians	170	\$21.14	15.21	18.08	20.81	23.15	26.43	\$43,960
19-4031	Chemical Technicians	750	\$24.06	14.06	19.25	23.84	29.31	34.38	\$50,050

19-4041	Geological and Petroleum Technicians	170	\$21.57	11.35	13.99	21.44	27.08	33.92	\$44,870
19-4061	Social Science Research Assistants	110	\$21.79	19.26	20.2	21.77	23.33	24.82	\$45,330
19-4091	Environmental Science and Protection Technicians	400	\$29.47	17.67	21.91	29.38	36.83	43.53	\$61,300
19-4092	Forensic Science Technicians	230	\$33.80	24.8	28.04	33.19	39.38	45.87	\$70,300
19-4093	Forest and Conservation Technicians	490	\$18.01	12.11	13.6	16.95	21.35	25.34	\$37,450
19-4099	Life, Physical, and Social Science Technicians	670	\$21.71	13.07	17.23	21.08	23.94	31.66	\$45,150

Total STEM Employment 18,360
Percent of Total Employment 1.5%

Statewide 2015 Occupational Wages Estimates/All Industries

SOC	Occupation	Estimated Employment	Mean Wage	10th	25th	Percentile 50th	75th	90th	Annual Average
00-0000	Total all occupations	1,189,610	\$20.34	8.62	10.92	16.13	24.65	36.76	\$42,310
11-9111	Medical and Health Services Managers	1,950	\$50.74	24.78	37.64	47.03	60.87	76.76	\$105,540
25-1071	Health Specialties Teachers, Postsecondary	650	\$0.00	0	0	0	0	0	\$134,370
25-1072	Nursing Instructors and Teachers, Postsecondary	570	\$0.00	0	0	0	0	0	\$76,730
29-1011	Chiropractors	360	\$31.32	14.56	18.44	33.23	39.07	45.75	\$65,140
29-1021	Dentists, General	990	\$69.60	26.04	38.53	60.85	0	0	\$144,770
29-1029	Dentists, All Other Specialists	30	\$90.79	56.71	74.18	83.79	0	0	\$188,840
29-1031	Dietitians and Nutritionists	240	\$31.54	21.1	25.64	30.93	35.3	38.28	\$65,600
29-1041	Optometrists	340	\$40.54	14.48	36.82	41.75	47.13	56.32	\$84,310
29-1051	Pharmacists	1,930	\$57.62	41.19	51.99	60.48	68.41	73.32	\$119,850
29-1061	Anesthesiologists	0	\$123.70	84.27	0	0	0	0	\$257,300
29-1062	Family and General Practitioners	1,020	\$76.09	39.24	46.72	76.79	0	0	\$158,270
29-1063	Internists, General	220	\$87.34	34.57	60.36	72.47	0	0	\$181,680
29-1064	Obstetricians and Gynecologists	180	\$125.86	87.74	0	0	0	0	\$261,790
29-1065	Pediatricians, General	130	\$68.61	49.76	53.9	64.88	81.74	0	\$142,710
29-1066	Psychiatrists	40	\$94.39	79.66	84.17	0	0	0	\$196,330
29-1067	Surgeons	340	\$124.93	83.54	0	0	0	0	\$259,850
29-1069	Physicians and Surgeons, All Other	1,310	\$99.27	29.82	79.02	0	0	0	\$206,480
29-1071	Physician Assistants	750	\$54.19	38.58	41.23	45.52	54.26	85.42	\$112,700
29-1081	Podiatrists	40	\$72.67	48.35	54.34	61.29	71.79	0	\$151,150
29-1122	Occupational Therapists	690	\$51.80	28.08	37.37	45.1	58.06	87.05	\$107,750
29-1123	Physical Therapists	1,500	\$61.49	33.46	39.45	48.31	74.13	0	\$127,900
29-1124	Radiation Therapists	70	\$39.36	26.14	31.32	38.98	45.72	55.77	\$81,860
29-1125	Recreational Therapists	70	\$20.00	10.72	15.12	20.55	24.43	28.87	\$41,600
29-1126	Respiratory Therapists	920	\$34.55	25.57	29.75	34.13	39.76	45.49	\$71,870
29-1127	Speech-Language Pathologists	810	\$41.82	20.23	25.56	34.56	46.65	66.97	\$86,980
29-1128	Exercise Physiologists	10	\$30.08	24.33	26.22	28.98	34.01	36.66	\$62,570
29-1129	Therapists, All Other	40	\$45.20	27.42	38.71	49.21	54.64	57.88	\$94,020
29-1131	Veterinarians	560	\$43.60	30.53	35.86	42.07	49.74	58.36	\$90,680
29-1141	Registered Nurses	18,430	\$38.58	27.69	32.4	38.11	44.9	51.51	\$80,240
29-1151	Nurse Anesthetists	90	\$104.29	65.36	73.48	0	0	0	\$216,930
29-1171	Nurse Practitioners	540	\$45.89	32.18	39.96	45.65	53.7	59.9	\$95,450
29-1181	Audiologists	0	\$26.90	8.03	9.1	25.37	35.47	56.64	\$55,940
29-1199	Health Diagnosing and Treating Practitioners, All Other	150	\$42.43	25.58	33.04	44.89	52.07	56.28	\$88,250
29-2011	Medical and Clinical Laboratory Technologists	1,080	\$30.84	18.64	23.44	31.91	37.42	43.31	\$64,150
29-2012	Medical and Clinical Laboratory Technicians	910	\$20.61	14.09	16.11	18.96	25.04	29.31	\$42,860
29-2021	Dental Hygienists	1,320	\$42.94	32.21	38.23	43.21	49.39	56.23	\$89,320
29-2031	Cardiovascular Technologists and Technicians	410	\$30.51	15.14	20.4	32.4	41.08	44.96	\$63,460
29-2032	Diagnostic Medical Sonographers	340	\$36.04	28.77	32.04	35.91	41.65	45.67	\$74,970
29-2033	Nuclear Medicine Technologists	90	\$36.93	30.42	32.78	36.7	42.36	45.85	\$76,810
29-2034	Radiologic Technologists and Technicians	1,390	\$31.07	20.83	24.98	30.03	36.35	45.03	\$64,610
29-2035	Magnetic Resonance Imaging Technologists	300	\$42.92	33.27	38.99	43.34	48.4	55.75	\$89,280
29-2041	Emergency Medical Technicians and Paramedics	1,230	\$21.10	11.96	15.26	19.42	26.56	33.35	\$43,890
29-2051	Dietetic Technicians	90	\$17.90	10.52	14.08	18.67	21.88	23.86	\$37,230
29-2052	Pharmacy Technicians	2,730	\$16.15	11.09	13.02	15.83	18.33	22.16	\$33,600
29-2053	Psychiatric Technicians	100	\$14.84	12.38	13.05	14.17	15.89	18.78	\$30,870
29-2054	Respiratory Therapy Technicians	40	\$32.84	25.16	27.38	31.52	38.75	44.59	\$68,310
29-2055	Surgical Technologists	870	\$27.64	18.24	22.97	27.48	32.8	37.68	\$57,500
29-2056	Veterinary Technologists and Technicians	640	\$17.00	12.57	15.1	17.05	19.03	21.9	\$35,360
29-2057	Ophthalmic Medical Technicians	0	\$16.99	14.86	15.69	16.97	18.26	20.63	\$35,330
29-2061	Licensed Practical and Licensed Vocational Nurses	2,300	\$25.36	19.39	21.86	25.21	28.63	32.75	\$52,760
29-2071	Medical Records and Health Information Technicians	1,600	\$19.65	12.64	14.12	17.74	23.42	30.24	\$40,860
29-2081	Opticians, Dispensing	350	\$22.02	12.89	15.74	21.13	28.28	33.69	\$45,790
29-2091	Orthotists and Prosthetists	90	\$31.78	22.09	25.3	29.91	38.16	44.66	\$66,100
29-2099	Health Technologists and Technicians, All Other	950	\$23.58	14.85	18.75	21.81	27.28	35.07	\$49,040
29-9011	Occupational Health and Safety Specialists	550	\$34.54	21.53	27.17	34.12	40.65	46.87	\$71,840
29-9012	Occupational Health and Safety Technicians	140	\$27.37	15.16	20.33	29.09	34.25	37.96	\$56,930
29-9091	Athletic Trainers	80	\$0.00	0	0	0	0	0	\$39,870
29-9099	Healthcare Practitioners and Technical Workers, All Other	320	\$21.97	15.21	16.21	17.87	23.72	37.13	\$45,710
Total STEM Employment - Health Care Occupations Only		52,890							
Percent of Total Employment		4.4%							