

Data Archive 103

STEM extracts from the National Employment Matrix, total employment by occupation, 2004 and projected 2014  
(sorted by % change)

SOC codes and Occupational Titles	2004	2014	% Change	# Change
15-1081--Network systems and data communications analysts	231,271	357,461	54.6%	126,190
15-1030--Computer software engineers	800,050	1,168,639	46.1%	368,589
15-1071--Network and computer systems administrators	278,381	385,249	38.4%	106,868
15-1061--Database Administrators	104,382	144,281	38.2%	39,899
19-4092--Forensic science technicians	9,823	13,399	36.4%	3,576
19-1042--Medical scientists except epidemiologists	72,488	97,178	34.1%	24,690
19-1040--Medical scientists	77,275	103,216	33.6%	25,941
19-2043--Hydrologists	8,039	10,577	31.6%	2,538
15-1051--Computer systems analysts	486,545	639,500	31.4%	152,955
15-1000--Computer specialists	3,045,836	4,002,547	31.4%	956,711
17-2031--Biomedical engineers	9,695	12,673	30.7%	2,978
15-0000--Computer and mathematical science occupations	3,152,801	4,119,844	30.7%	967,043
17-2081--Environmental engineers	49,257	64,026	30.0%	14,769
19-1041--Epidemiologists	4,786	6,039	26.2%	1,253
19-3022--Survey researchers	22,315	28,100	25.9%	5,785
11-3021--Computer and information systems managers	280,294	352,916	25.9%	72,622
15-1011--Computer and information scientists, research	22,385	28,123	25.6%	5,738
17-3025--Environmental engineering technicians	20,227	25,167	24.4%	4,940
15-2011--Actuaries	17,547	21,610	23.2%	4,063
15-1041--Computer support specialists	518,369	637,560	23.0%	119,191
19-1021--Biochemists and biophysicists	16,124	19,514	21.0%	3,390
19-1000--Life scientists	231,723	279,890	20.8%	48,167
19-1099--Life scientists, all other	15,457	18,646	20.6%	3,189
19-3032--Industrial-organizational psychologists	2,444	2,943	20.4%	499
19-3020--Market and survey researchers	212,186	255,115	20.2%	42,929
19-4099--Life, physical, and social science technicians, all other	83,222	99,895	20.0%	16,673
19-3021--Market research analysts	189,872	227,015	19.6%	37,143
19-3031--Clinical, counseling, and school psychologists	166,688	198,598	19.1%	31,910
15-1099--Computer specialists, all other	149,181	177,464	19.0%	28,283
19-3030--Psychologists	178,963	212,343	18.7%	33,380
19-3000--Social scientists and related occupations	491,663	579,799	17.9%	88,136
19-4090--Other life, physical, and social science technicians	156,589	184,039	17.5%	27,450
19-4061--Social science research assistants	17,704	20,792	17.4%	3,088
19-1022--Microbiologists	15,063	17,657	17.2%	2,594
19-4021--Biological technicians	64,400	75,475	17.2%	11,075
19-2041--Environmental scientists and specialists, including health	73,370	85,923	17.1%	12,553
19-1029--Biological scientists, all other	29,442	34,461	17.0%	5,019
19-1020--Biological scientists	77,099	90,235	17.0%	13,136
19-3091--Anthropologists and archeologists	4,918	5,754	17.0%	836
19-2021--Atmospheric and space scientists	7,410	8,636	16.5%	1,226
17-2051--Civil engineers	237,299	276,464	16.5%	39,165
19-0000--Life, physical, and social science occupations	1,315,697	1,531,618	16.4%	215,921
19-4091--Environmental science & protection technicians, incl. health	30,934	35,967	16.3%	5,033
17-2112--Industrial engineers	176,702	204,960	16.0%	28,258
19-2040--Environmental scientists and geoscientists	108,988	126,366	15.9%	17,378
17-1020--Surveyors, cartographers, and photogrammetrists	66,533	77,047	15.8%	10,514
17-2199--Engineers, all other	171,567	198,069	15.4%	26,502
19-3051--Urban and regional planners	32,152	37,029	15.2%	4,877
19-2099--Physical scientists, all other	28,637	32,831	14.6%	4,194
19-4000--Life, physical, and social science technicians	341,894	391,017	14.4%	49,123

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17-3022--Civil engineering technicians	93,549	106,747	14.1%	13,198
17-3019--Drafters, all other	23,945	27,294	14.0%	3,349
41-9031--Sales engineers	73,617	83,897	14.0%	10,280
19-1013--Soil and plant Scientists	16,930	19,276	13.9%	2,346
19-4051--Nuclear technicians	7,313	8,314	13.7%	1,001
11-9121--Natural sciences managers	42,175	47,928	13.6%	5,753
17-2000--Engineers (except sales engineers, surveyors, or technicians)	1,448,871	1,643,500	13.4%	194,629
17-2111--Health & safety engineers, exc. mining safety eng. & inspectors	26,520	30,081	13.4%	3,561
19-4011--Agricultural and food science technicians	22,615	25,646	13.4%	3,031
11-9041--Engineering managers	190,366	215,123	13.0%	24,757
00-0000--Total, all occupations	145,612,332	164,539,901	13.0%	18,927,569
19-1023--Zoologists and wildlife biologists	16,470	18,603	13.0%	2,133
19-1011--Animal scientists	2,657	3,000	12.9%	343
19-1010--Agricultural and food scientists	30,143	33,987	12.8%	3,844
19-3099--Social scientists and related workers, all other	37,666	42,310	12.3%	4,644
17-3029--Engineering technicians, except drafters, all other	91,197	102,433	12.3%	11,236
17-3027--Mechanical engineering technicians	47,734	53,612	12.3%	5,878
17-2031--Materials engineers	21,430	24,054	12.2%	2,624
19-2000--Physical scientists	250,417	280,913	12.2%	30,496
17-2021--Agricultural engineers	3,390	3,798	12.0%	408
17-3020--Engineering technicians, except drafters	531,978	594,846	11.8%	62,868
17-2071--Electrical engineers	155,904	174,279	11.8%	18,375
19-3090--Miscellaneous social scientists and related workers	51,131	57,152	11.8%	6,021
17-2141--Mechanical engineers	225,857	250,984	11.1%	25,127
19-1012--Food scientists and technologists	10,556	11,710	10.9%	1,154
17-2041--Chemical engineers	30,649	33,899	10.6%	3,250
17-3026--Industrial engineering technicians	68,993	76,216	10.5%	7,223
19-2011--Astronomers	756	835	10.4%	79
17-2061--Computer hardware engineers	76,511	84,255	10.1%	7,744
19-3039--Psychologists, all other	9,830	10,802	9.9%	972
17-3023--Electrical and electronic engineering technicians	181,636	199,366	9.8%	17,730
17-2072--Electronics engineers, except computer	142,864	156,732	9.7%	13,868
17-3000--Drafters, engineering, and mapping technicians	850,906	933,406	9.7%	82,500
17-3024--Electro-mechanical technicians	19,141	20,995	9.7%	1,854
15-2000--Mathematical science occupations	106,965	117,297	9.7%	10,332
17-3031--Surveying and mapping technicians	64,953	71,169	9.6%	6,216
17-3021--Aerospace engineering and operations technicians	9,502	10,311	8.5%	809
17-2121--Marine engineers and naval architects	6,788	7,363	8.5%	575
15-2031--Operations research analysts	57,515	62,343	8.4%	4,828
19-2042--Geoscientists, except hydrologists and geographers	27,580	29,866	8.3%	2,286
17-2011--Aerospace engineers	75,584	81,833	8.3%	6,249
19-2032--Materials scientists	7,553	8,158	8.0%	605
19-2030--Chemists and materials scientists	89,679	96,258	7.3%	6,579
19-3094--Political scientists	5,091	5,463	7.3%	372
17-2161--Nuclear engineers	17,433	18,701	7.3%	1,268
19-2031--Chemists	82,127	88,100	7.3%	5,973
19-2010--Astronomers and Physicists	15,702	16,823	7.1%	1,121
19-2012--Physicists	14,946	15,987	7.0%	1,041
19-3092--Geographers	844	901	6.8%	57
19-1032--Foresters	13,176	14,059	6.7%	883

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19-4093--Forest and conservation technicians	32,611	34,778	6.6%	2,167
19-4041--Geological and petroleum technicians	10,927	11,637	6.5%	710
19-1030--Conservation scientists and foresters	31,750	33,806	6.5%	2,056
19-1031--Conservation scientists	18,574	19,747	6.3%	1,173
15-2099--Mathematical scientists, all other	8,632	9,165	6.2%	533
19-3011--Economists	12,724	13,442	5.6%	718
17-3013--Mechanical drafters	82,193	86,689	5.5%	4,496
17-3010--Drafters	253,975	267,391	5.3%	13,416
19-3041--Sociologists	4,507	4,717	4.7%	210
15-2041--Statisticians	18,908	19,787	4.6%	879
17-3011--Architectural and civil drafters	110,128	115,238	4.6%	5,110
19-4031--Chemical technicians	62,346	65,113	4.4%	2,767
19-3093--Historians	2,611	2,724	4.3%	113
15-2091--Mathematical technicians	1,825	1,887	3.4%	62
15-1021--Computer programmers	455,271	464,270	2.0%	8,999
17-3012--Electrical and electronics drafters	37,709	38,169	1.2%	460
17-2171--Petroleum engineers	16,237	16,218	-0.1%	(19)
15-2021--Mathematicians	2,537	2,504	-1.3%	(33)
17-2151--Mining and geological engineers, incl. mining safety engineers	5,187	5,109	-1.5%	(78)

Source: Bureau of Labor Statistics