

Table A-17. Twenty-five Largest Occupations by Career Cluster, Ranked by Total New Hires, Metro Core Counties in Commuting Area

Science, Technology, Engineering and Mathematics

SOC	Occupational Title	2006 Occupation Employment	2016 Occupation Employment	Change from Industry Growth or Decline 2006-2016	Job Opportunities from Replacement	Total New Hires
17-2112	Industrial Engineers	2,291	2,723	-95	527	432
17-2051	Civil Engineers	2,210	3,012	294	508	802
17-3023	Electrical and Electronic Engineering Technicians	1,822	2,373	132	419	551
17-2141	Mechanical Engineers	1,485	1,866	39	341	381
17-2071	Electrical Engineers	1,147	1,423	12	264	276
11-9041	Engineering Managers	1,133	1,465	72	261	332
17-2072	Electronics Engineers, Except Computer	871	1,137	66	200	266
19-4031	Chemical Technicians	751	945	22	173	194
17-3031	Surveying and Mapping Technicians	706	1,029	160	162	323
17-3029	Engineering Technicians, Except Drafters, All Other	629	768	-5	145	140
19-2031	Chemists	589	760	35	135	171
17-2199	Engineers, All Other	552	739	60	127	187
19-2042	Geoscientists, Except Hydrologists and Geographers	545	712	42	125	167
17-3011	Architectural and Civil Drafters	536	779	119	123	243
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	432	535	4	99	104
17-2161	Nuclear Engineers	430	620	90	99	189
17-2041	Chemical Engineers	400	547	55	92	147
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	395	530	44	91	135
17-2131	Materials Engineers	264	312	-13	61	48
19-4051	Nuclear Technicians	231	326	43	53	96
17-3012	Electrical and Electronics Drafters	230	302	19	53	72
19-2041	Environmental Scientists and Specialists, Including Health	208	282	25	48	73
17-2061	Computer Hardware Engineers	161	216	18	37	55
19-4021	Biological Technicians	158	210	15	36	51
27-3042	Technical Writers	151	211	26	35	60
	All Other Career Jobs in this Cluster	1,355	1,788	121	312	433
	Cluster Total	19,681	25,608	1,400	4,527	5,927
	Share of All Career Jobs Found in This Cluster	2.97%	2.92%	2.19%	2.97%	2.74%

Total, Jobs in Career Occupations	662,086	878,431	64,065	152,280	216,345
Total, Jobs in All Occupations	765,069	1,013,982	72,947	175,966	248,913