

Gap Analysis Report - STEM - Gulf Coast Region

SOC Code	SOC Title	Current Demand (HWOL -	Current Supply (WIT - Jul 2	GAP (Current)	Avg.Annual Openings	Annual Graduates	GAP (Annual)	Current Employment (2023)	Projected Employment (2032)	Middle Skill
11-9041	Architectural and Engineering Managers	310	1,479	-1,169	518	2,086	-1,568	5,810	7,300	No
17-1021	Cartographers and Photogrammetrists	N/A	50	N/A	52	61	-9	440	698	No
17-1022	Surveyors	89	411	-322	139	11	128	1,590	2,026	No
17-2011	Aerospace Engineers	69	247	-178	140	719	-579	1,850	2,097	No
17-2031	Bioengineers and Biomedical Engineers	14	159	-145	N/A	176	N/A	260	N/A	No
17-2041	Chemical Engineers	179	1,266	-1,087	165	204	-39	1,890	2,577	No
17-2051	Civil Engineers	570	951	-381	675	143	532	9,630	10,376	No
17-2061	Computer Hardware Engineers	49	252	-203	55	374	-319	770	919	No
17-2071	Electrical Engineers	402	1,059	-657	268	290	-22	3,690	4,399	No
17-2072	Electronics Engineers, Except Computer	76	139	-63	94	256	-162	1,150	1,519	No
17-2081	Environmental Engineers	63	190	-127	85	20	65	920	1,150	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Ins	48	1,069	-1,021	79	20	59	1,240	1,248	No
17-2112	Industrial Engineers	432	879	-447	588	112	476	7,290	8,725	No
17-2121	Marine Engineers and Naval Architects	20	175	-155	43	N/A	N/A	510	842	No
17-2131	Materials Engineers	36	161	-125	36	23	13	400	516	No
17-2141	Mechanical Engineers	435	2,477	-2,042	541	460	81	7,600	8,255	No
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	11	79	-68	15	N/A	N/A	110	226	No
17-2161	Nuclear Engineers	3	16	-13	11	N/A	N/A	230	187	No
17-2171	Petroleum Engineers	99	1,803	-1,704	484	47	437	5,890	7,102	No
17-2199	Engineers, All Other	57	1,521	-1,464	233	281	-48	2,760	3,530	No
17-3012	Electrical and Electronics Drafters	61	467	-406	90	443	-353	720	1,052	Yes
17-3013	Mechanical Drafters	13	1,013	-1,000	114	434	-320	1,470	1,412	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicia	N/A	210	N/A	N/A	100	N/A	N/A	N/A	Yes
17-3022	Civil Engineering Technologists and Technicians	14	212	-198	252	451	-199	2,140	2,675	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	204	1,046	-842	176	210	-34	2,110	1,758	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technician	14	389	-375	35	682	-647	430	382	Yes
17-3026	Industrial Engineering Technologists and Technicians	182	1,110	-928	135	307	-172	1,580	1,418	Yes
17-3027	Mechanical Engineering Technologists and Technicians	18	563	-545	124	72	52	860	1,355	Yes
17-3029	Engineering Technologists and Technicians, Except Drafters, All Oth	170	1,174	-1,004	449	337	112	3,930	4,612	Yes
19-2042	Geoscientists, Except Hydrologists and Geographers	61	1,098	-1,037	284	129	155	1,740	3,200	No
19-3022	Survey Researchers	20	75	-55	N/A	334	N/A	N/A	N/A	No
19-3051	Urban and Regional Planners	35	111	-76	35	37	-2	280	409	No
27-3042	Technical Writers	61	440	-379	122	47	75	690	1,401	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	7	169	-162	30	N/A	N/A	200	283	Yes
49-9062	Medical Equipment Repairers	72	129	-57	280	47	233	1,840	2,700	Yes