

# GULF COAST WORKFORCE BOARD

## 2021 High-skill, High-growth Occupations<sup>1,9,10</sup>

SOC	Occupation Title	Employment Growth				Annual Openings				Typical Education Needed for Entry into Occupation	Work Experience in a Related Occupation	Typical On-the-job Training	Median Hourly Wage 2019 <sup>7</sup>
		Annual Averages 2018	2028	Net Change	Percent Change	Due to Exits from Workforce	Due to Transfers between Occupations	Due to New Job Growth	Total Openings				
<b>13-0000</b>	<b>Business &amp; Financial Operations</b>												
13-1051	Cost Estimators	5,145	6,102	957	18.6	142	412	96	650	Bachelor's	None	Moderate	\$35.74
13-1081	Logisticians	4,172	4,969	797	19.1	107	328	80	515	Bachelor's	None	None	\$37.96
13-1111	Management Analysts	11,755	14,660	2,905	24.7	410	834	290	1,534	Bachelor's	Less than 5 years	None	\$47.15
13-1161	Market Research Analysts and Marketing Specialists	7,021	8,938	1,917	27.3	188	628	192	1,008	Bachelor's	None	None	\$31.99
13-2011	Accountants and Auditors	36,417	42,291	5,874	16.1	1,110	2,558	587	4,255	Bachelor's	None	None	\$36.49
13-2082	Tax Preparers	1,554	1,841	287	18.5	84	110	29	223	High school diploma	None	Moderate	\$23.84
<b>15-0000</b>	<b>Computer and Mathematical</b>												
15-1121	Computer Systems Analysts	14,401	15,635	1,234	8.6	286	799	123	1,208	Bachelor's	None	None	\$51.17
15-1122	Information Security Analysts	1,761	2,308	547	31.1	29	116	55	200	Bachelor's	Less than 5 years	None	\$50.31
15-1132	Software Developers, Applications	14,158	16,572	2,414	17.1	213	869	241	1,323	Bachelor's	None	None	\$50.70
15-1133	Software Developers, Systems Software	5,540	6,154	614	11.1	81	331	61	473	Bachelor's	None	None	\$50.70
15-1141	Database Administrators	2,316	2,627	311	13.4	48	128	31	207	Bachelor's	None	None	\$46.87
15-1142	Network and Computer Systems Administrators	8,030	8,786	756	9.4	141	446	76	663	Bachelor's	None	None	\$44.59
15-1151	Computer User Support Specialists	14,149	16,414	2,265	16.0	281	972	226	1,479	Some college, no degree	None	None	\$25.62
15-2031	Operations Research Analysts	2,246	3,102	856	38.1	62	112	86	260	Bachelor's	None	None	\$37.29
<b>17-0000</b>	<b>Architecture and Engineering</b>												
17-1011	Architects, Ex. Landscape and Naval	2,633	3,272	639	24.3	70	156	64	290	Bachelor's	None	Intern/Residency	\$39.68
17-1022	Surveyors	1,529	1,838	309	20.2	43	80	31	154	Bachelor's	None	Intern/Residency	\$32.32
<b>17-20XX</b>	<b>Engineers<sup>2</sup></b>	<b>52,281</b>	<b>60,752</b>	<b>8,471</b>	<b>16.2</b>	<b>1,101</b>	<b>2,851</b>	<b>845</b>	<b>4,797</b>	<b>Bachelor's</b>	<b>None</b>	<b>None</b>	<b>\$58.31</b>
17-3011	Architectural and Civil Drafters	3,305	3,867	562	17.0	119	250	56	425	Associate's	None	None	\$28.09
17-3013	Mechanical Drafters	2,032	2,167	135	6.6	70	146	14	230	Associate's	None	None	\$29.49
17-3022	Civil Engineering Technicians	2,509	2,999	490	19.5	91	177	49	317	Associate's	None	None	\$23.81
17-3023	Electrical and Electronic Engineering Technicians	3,069	3,527	458	14.9	109	212	46	367	Associate's	None	None	\$33.84
17-3027	Mechanical Engineering Technicians	1,443	1,688	245	17.0	52	101	24	177	Associate's	None	None	\$32.60
17-3031	Surveying and Mapping Technicians	2,727	3,265	538	19.7	84	268	54	406	High school diploma	None	Moderate	\$20.61
19-2031	Chemists	2,014	2,302	288	14.3	35	159	29	223	Bachelor's	None	None	\$41.60
19-2042	Geoscientists, Ex. Hydrologists and Geographers <sup>5</sup>	5,025	5,431	406	8.1	96	468	41	605	Bachelor's	None	None	\$74.24

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		Annual Averages 2018	2028	Net Change	Percent Change	Due to Exits from Workforce	Due to Transfers between Occupations	Due to New Job Growth	Total Openings				
<b>19-0000</b>	<b>Life, Physical, and Social Science</b>												
19-3031	Clinical, Counseling, and School Psychologists	2,236	2,611	375	16.8	54	116	38	208	Doctoral or professional	None	Intern/Residency	\$34.22
19-4041	Geological and Petroleum Technicians	2,755	3,042	287	10.4	36	253	29	318	Associate's	None	Moderate	\$25.64
<b>21-0000</b>	<b>Community and Social Service</b>												
21-1012	Ed., Guidance, School, and Vocational Counselors	6,230	7,149	919	14.8	217	468	92	777	Master's	None	None	\$31.87
21-1022	Healthcare Social Workers	2,299	2,897	598	26.0	77	177	60	314	Master's	None	Intern/Residency	\$30.83
<b>23-0000</b>	<b>Legal</b>												
23-1011	Lawyers <sup>6</sup>	16,135	18,089	1,954	12.1	367	453	195	1,015	Doctoral or professional	None	None	\$64.94
23-2011	Paralegals and Legal Assistants	6,499	7,599	1,100	16.9	235	510	110	855	Associate's	None	None	\$22.85
<b>25-0000</b>	<b>Education, Training, and Library</b>												
25-1071	Health Specialties Teachers, Postsecondary	5,979	7,008	1,029	17.2	239	298	103	640	Doctoral or professional	Less than 5 years	None	\$81.61
<b>25-20XX</b>	<b>Preschool Elem. Secondary &amp; Special Ed. Teachers<sup>3</sup></b>	<b>101,220</b>	<b>113,969</b>	<b>12,749</b>	<b>12.6</b>	<b>3,476</b>	<b>4,974</b>	<b>1,275</b>	<b>9,765</b>	<b>Bachelor's</b>	<b>None</b>	<b>None</b>	<b>\$26.77</b>
25-4021	Librarians	2,030	2,235	205	10.1	115	98	20	233	Master's	None	None	\$29.66
25-9031	Instructional Coordinators	3,795	4,364	569	15.0	170	209	57	436	Master's	5 years or more	None	\$32.71
<b>27-0000</b>	<b>Arts, Design, Entertainment, Sports, and Media</b>												
27-3091	Interpreters & Translators	2,007	2,565	558	27.8	991	1,261	56	2,810	Bachelor's	None	None	\$24.00
<b>29-0000</b>	<b>Healthcare Practitioners and Technical</b>												
<b>29-10XX</b>	<b>Physicians (ex. Dentists) &amp; Physician Assistants<sup>4</sup></b>	<b>9,493</b>	<b>10,998</b>	<b>1,505</b>	<b>15.9</b>	<b>239</b>	<b>255</b>	<b>150</b>	<b>744</b>	<b>Doctoral or professional</b>	<b>None</b>	<b>Intern/Residency</b>	<b>\$82.70</b>
29-1021	Dentists, General	2,675	3,211	536	20.0	64	25	54	143	Doctoral or professional	None	None	\$71.77
29-1122	Occupational Therapists <sup>8</sup>	1,950	2,329	379	19.4	48	72	38	158	Master's	None	None	\$41.38
29-1123	Physical Therapists	3,252	4,054	802	24.7	67	86	80	233	Doctoral or professional	None	None	\$42.70
29-1126	Respiratory Therapists	2,606	3,427	821	31.5	83	76	82	241	Associate's	None	None	\$28.94
29-1127	Speech-Language Pathologists	2,876	3,820	944	32.8	66	113	94	273	Master's	None	Intern/Residency	\$33.55

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		Annual Averages 2018	2028	Net Change	Percent Change	Due to Exits from Workforce	Due to Transfers between Occupations	Due to New Job Growth	Total Openings				
29-1141	Registered Nurses	54,969	67,597	12,628	23.0	1,701	1,572	1,263	4,536	Bachelor's	None	None	\$38.67
29-1151	Nurse Anesthetists	2,067	2,656	589	28.5	37	80	59	176	Master's	None	None	\$80.86
29-1171	Nurse Practitioners	3,108	4,204	1,096	35.3	72	123	110	305	Master's	None	None	\$57.30
29-1215	Family and General Practitioners	2,472	2,972	500	20.2	45	35	50	130	Doctoral or professional	None	Intern/Residency	\$101.06
29-2011	Medical & Clinical Laboratory Technologists	3,459	4,142	683	19.7	1,055	1,318	68	3,056	Bachelor's	None	None	\$25.53
29-2012	Medical & Clinical Laboratory Technicians	3,330	3,983	653	19.6	1,015	1,269	65	2,936	Bachelor's	None	None	\$25.53
29-2021	Dental Hygienists	2,898	3,665	767	26.5	137	83	77	297	Associate's	None	None	\$36.04
29-2031	Cardiovascular Technologists and Technicians	1,655	1,927	272	16.4	44	54	27	125	Associate's	None	None	\$25.14
29-2032	Diagnostic Medical Sonographers	1,573	2,049	476	30.3	45	55	48	148	Associate's	None	None	\$34.83
29-2034	Radiologic Technologists	4,446	5,552	1,106	24.9	123	151	111	385	Associate's	None	None	\$31.43
29-2055	Surgical Technologists	3,009	3,689	680	22.6	97	173	68	338	Postsecondary nondegree	None	None	\$25.98
29-2061	Licensed Practical and Licensed Vocational Nurses	14,986	18,642	3,656	24.4	571	710	366	1,647	Postsecondary nondegree	None	None	\$23.06
29-2071	Medical Records and Health Information Technicians	4,099	4,994	895	21.8	134	155	90	379	Postsecondary nondegree	None	None	\$20.49
29-9011	Occupational Health and Safety Specialists	4,672	5,514	842	18.0	117	169	84	370	Bachelor's	None	None	\$36.84
<b>41-0000</b>	<b>Sales and Related</b>												
41-3021	Insurance Sales Agents	7,587	8,493	906	11.9	296	485	91	872	High school diploma	None	Moderate	\$23.01
41-9031	Sales Engineers	3,181	3,926	745	23.4	84	309	74	467	Bachelor's	None	Moderate	\$54.73
<b>43-0000</b>	<b>Office and Administrative Support</b>												
43-3021	Billing and Posting Clerks	9,761	11,708	1,947	19.9	442	724	195	1,361	High school diploma	None	Moderate	\$19.56
43-5061	Production, Planning, and Expediting Clerks	9,345	10,822	1,477	15.8	334	716	148	1,198	High school diploma	None	Moderate	\$23.61
<b>47-0000</b>	<b>Construction and Extraction</b>												
47-1011	Supervisors of Construction and Extraction Workers	24,727	29,013	4,286	17.3	800	1,992	429	3,221	High school diploma	5 years or more	None	\$30.68
47-2031	Carpenters	18,890	22,127	3,237	17.1	641	1,481	324	2,446	High school diploma	None	Apprenticeship	\$21.10
47-2073	Other Construction Equipment Operators	11,260	13,324	2,064	18.3	417	1,000	206	1,623	High school diploma	None	Moderate	\$22.18
47-2111	Electricians	19,193	22,696	3,503	18.3	643	1,784	350	2,777	High school diploma	None	Apprenticeship	\$27.48
47-2132	Insulation Workers, Mechanical <sup>6</sup>	1,430	1,607	177	12.4	36	138	18	192	High school diploma	None	Apprenticeship	\$24.51
47-2152	Plumbers, Pipefitters, and Steamfitters	13,360	15,940	2,580	19.3	428	1,197	258	1,883	High school diploma	None	Apprenticeship	\$26.81

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47-2171	Reinforcing Iron and Rebar Workers	1,726	2,192	466	27.0	44	186	47	277	High school diploma	None	Apprenticeship	\$25.25
47-2211	Sheet Metal Workers	2,834	3,391	557	19.7	92	245	56	393	High school diploma	None	Apprenticeship	\$21.63
47-2221	Structural Iron and Steel Workers	3,169	3,858	689	21.7	98	317	69	484	High school diploma	None	Apprenticeship	\$22.11
47-4011	Construction and Building Inspectors	3,851	4,650	799	20.7	234	293	80	607	High school diploma	5 years or more	Moderate	\$31.97
47-5012	Rotary Drill Operators, Oil and Gas <sup>9</sup>	2,841	3,253	412	14.5	85	345	41	471	No formal credential	None	Moderate	\$27.91
47-5013	Service Unit Operators, Oil, Gas, and Mining <sup>9</sup>	6,429	7,295	866	13.5	191	776	87	1,054	No formal credential	None	Moderate	\$20.79
<b>49-0000</b>	<b>Installation, Maintenance, and Repair</b>												
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists <sup>5</sup>	7,590	8,652	1,062	14.0	226	525	106	857	High school diploma	None	Long-term	\$24.31
49-3042	Mobile Heavy Equipment Mechanics, Ex. Engines	6,151	7,383	1,232	20.0	212	462	123	797	High school diploma	None	Long-term	\$23.71
49-9021	HVAC Mechanics and Installers	7,491	8,958	1,467	19.6	224	579	147	950	Postsecondary nondegree	None	Long-term	\$23.00
49-9041	Industrial Machinery Mechanics <sup>5</sup>	12,643	14,178	1,535	12.1	421	808	154	1,383	High school diploma	None	Long-term	\$29.74
49-9043	Maintenance Workers, Machinery	2,296	2,670	374	16.3	93	131	37	261	High school diploma	None	Long-term	\$20.98
<b>51-0000</b>	<b>Production</b>												
51-4011	CNC Machine Tool Operators, Metal and Plastic <sup>5</sup>	4,052	4,393	341	8.4	121	312	34	467	High school diploma	None	Moderate	\$19.69
51-4041	Machinists	11,033	13,232	2,199	19.9	403	829	220	1,452	High school diploma	None	Long-term	\$22.38
51-4121	Welders, Cutters, Solderers, and Brazers	19,773	22,955	3,182	16.1	547	1,794	318	2,659	High school diploma	None	Moderate	\$23.02
51-8091	Chemical Plant and System Operators	3,485	3,568	83	2.4	84	308	8	400	High school diploma	None	Moderate	\$35.17
51-8093	Petrol. Pump System Oprs., Refinery Oprs., & Gaugers <sup>5</sup>	4,684	4,847	163	3.5	113	416	16	545	High school diploma	None	Moderate	\$37.98
<b>53-0000</b>	<b>Transportation and Material Moving</b>												
53-2031	Flight Attendants	4,755	5,570	815	17.1	2,664	3,074	82	6,552	High school diploma	Less than 5 years	Moderate	\$25.87
53-3032	Heavy and Tractor-Trailer Truck Drivers	41,797	47,924	6,127	14.7	1,847	3,254	613	5,714	Postsecondary nondegree	None	Short-term	\$21.41
53-5021	Captains, Mates, and Pilots of Water Vessels	2,051	2,418	367	17.9	59	153	37	249	Postsecondary nondegree	Less than 5 years	None	\$35.38
53-7021	Crane and Tower Operators	1,880	2,223	343	18.2	64	175	34	273	High school diploma	Less than 5 years	Moderate	\$26.68

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### Notes

High-skill jobs targeted by the Gulf Coast Workforce Board are those that offer the best employment opportunities for the region's residents now and in the immediate future.

1. Criteria used to identify the above occupations are as follows:

The occupation must be found in one or more GCWB Targeted Industries.

50% or more of total occupational employment must be found in the GCWB list of Targeted Industries authorized on the date below

Projected employment in 2028 greater than or equal to the median for all occupations in the region ( $\geq 1,797$ )

Projected growth rate greater than or equal to the average of all occupations in the region ( $\geq 14.2\%$ )

Minimum education requirements of a postsecondary degree or certificate, moderate on-the-job training, long-term on-the-job training, apprenticeship, internship/residency or work experience in a related occupation

Median hourly wages greater than or equal to the OES 2019 median wage for all occupations in the region ( $\geq \$19.44$ )

Occupations found on previous High-skill High-growth Occupation List and which meet four of the five criteria immediately above have been retained

2. 17-20XX Engineers, which includes Aerospace, Biomedical, Chemical, Civil, Electrical, Electronics excluding Computers, Environmental, Health and Safety excluding Mining Safety, Industrial, Marine and Naval Architects, Materials, Mechanical, Mining and Geological including Mining Safety, and Petroleum Engineers are treated collectively and subsequently meet size and growth criteria specified above.

3. 25-2000 Preschool Elem. Secondary & Special Ed. Teachers includes Preschool Teachers Except Special Education, Kindergarten Teachers Except Special Education, Elementary School Teachers Except Special Education, Middle School Teachers Except Special and Career/Technical Education, Secondary School Teachers Except Special and Career/Technical Education, Career/Technical Education Teachers Secondary School, Special Education Teachers Preschool, Special Education Teachers Kindergarten and Elementary School, Special Education Teachers Middle School, and Special Education Teachers Secondary School.

4. 29-10XX Physicians, which includes Chiropractors, Optometrists, Anesthesiologists, General Internists, Obstetricians and Gynecologists, Pediatricians, General, Psychiatrists, Surgeons, Physician Assistants, and Podiatrists are treated collectively and subsequently meet size and growth criteria specified above.

5. Occupations on the previous High-Skill High-Growth List and meeting most or all other criteria with the exception of 50% industry employment due to the exclusion of the occupation's predominant industry from the Targeted Industry list have been retained.

6. Other occupations meeting some but not all of the above criteria have also been included based on the best regional labor market intelligence available. Employers can petition for the inclusion of additional as labor market conditions change.

7. Hourly wages were obtained by dividing the reported median annual wage by 2,080 hours. Note that actual per hour earnings are likely to differ for some occupations such as those related to education as they are typically compensated on a 9 or 10 month basis.

8. Labor market intelligence indicates that 29-1122 Occupational Therapists may in some cases require a doctoral degree at present or in the near-future while master's degrees continue to be the predominant type of education among completers of postsecondary programs in this field.

9. Occupations officially requiring no formal educational credential of any kind and moderate on-the-job training included due to their importance to the oil and gas industry.

10. Some wage and projection data were provided by third-party data sources EMSI and Chmura Economics JobsEQ.

11. All other data provided by Texas Workforce Commission - LMCI

Authorized for use by the Gulf Coast Workforce Board: **February 2, 2021**