

GULF COAST WORKFORCE BOARD

2023 High-Skill, High-Growth Occupations and Acceptable Alternate Occupations due to Code Changes between 2010 and 2018 Vintages of Standard Occupational Classification (SOC) System ^{1,6,9}

SOC	Occupation Title	Alternate Occupations				
		Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
11-0000	Management Occupations					
11-1021	General and Operations Managers ²					
11-2021	Marketing Managers ²					
11-3021	Computer and Information Systems Managers					
11-3031	Financial Managers ²					
11-3051	Industrial Production Managers ²					
11-3061	Purchasing Managers ²					
11-3071	Transportation, Storage, and Distribution Managers ²					
11-3121	Human Resources Managers ²					
11-9021	Construction Managers					
11-9041	Architectural and Engineering Managers					
11-9051	Food Service Managers ²					
11-9111	Medical and Health Services Managers					
13-0000	Business & Financial Operations					
13-1051	Cost Estimators					
13-1071	Human Resources Specialists ²					
13-1081	Logisticians					
13-1111	Management Analysts					
13-1121	Meeting, Convention, and Event Planners ²					
13-1141	Compensation, Benefits, and Job Analysis Specialists ²					
13-1151	Training and Development Specialists ²					
13-1161	Market Research Analysts and Marketing Specialists					
13-2011	Accountants and Auditors					
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other ²	13-2051 Financial and Investment Analysts	13-2054 Financial Risk Specialists			

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		Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
15-0000	Computer and Mathematical Occupations					
15-1211	Computer Systems Analysts	15-1121 Computer Systems Analysts				
15-1212	Information Security Analysts	15-1122 Information Security Analysts				
15-1232	Computer User Support Specialists	15-1151 Computer User Support Specialists				
15-1244	Network and Computer Systems Administrators	15-1142 Network and Computer Systems Administrators				
15-1245	Database Administrators and Architects	15-1242 Database Administrators	15-1243 Database Architects	15-1141 Database Administrators		
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	15-1252 Software Developers	15-1253 Software Quality Assurance Analysts and Testers	15-1132 Software Developers, Applications	15-1133 Software Developers, Systems Software	

SOC	Occupation Title	Alternate Occupations				
15-1257	Web Developers and Digital Interface Designers ²	15-1254 Web Developers	15-1255 Web and Digital Interface Designers	15-1134 Web Developers		
15-2031	Operations Research Analysts					
17-0000	Architecture and Engineering Occupations³	Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
17-1011	Architects, Except Landscape and Naval					
17-1022	Surveyors					
17-2011	Aerospace Engineers					
17-2031	Bioengineers and Biomedical Engineers					
17-2041	Chemical Engineers					
17-2051	Civil Engineers					
17-2061	Computer Hardware Engineers					
17-2071	Electrical Engineers					
17-2072	Electronics Engineers, Except Computer					
17-2081	Environmental Engineers					
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors					
17-2112	Industrial Engineers					
17-2121	Marine Engineers and Naval Architects					
17-2131	Materials Engineers					
17-2141	Mechanical Engineers					
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers					
17-2171	Petroleum Engineers					
17-3011	Architectural and Civil Drafters					
17-3012	Electrical and Electronics Drafters ²					
17-3013	Mechanical Drafters					
17-3022	Civil Engineering Technologists and Technicians					
17-3023	Electrical and Electronic Engineering Technologists and Technicians					
17-3026	Industrial Engineering Technologists and Technicians ²					
17-3027	Mechanical Engineering Technologists and Technicians					
17-3031	Surveying and Mapping Technicians					

SOC	Occupation Title	Alternate Occupations				
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters	17-3028 Calibration Technologists and Technicians	55-3017 Radar and Sonar Technicians			
19-0000 Life, Physical, and Social Science Occupations		Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
19-1042	Medical Scientists, Except Epidemiologists ²					
19-2031	Chemists					
19-2042	Geoscientists, Except Hydrologists and Geographers					
19-3031	Clinical, Counseling, and School Psychologists	19-3033 Clinical and Counseling Psychologists	19-3034 School Psychologists			
19-4045	Geological and Hydrologic Technicians	19-4043 Geological Technicians, Except Hydrologic Technicians	19-4044 Hydrologic Technicians	19-4041 Geological and Petroleum Technicians		
19-5011	Occupational Health and Safety Specialists	29-9011 Occupational Health and Safety Specialists				
21-0000 Community and Social Service Occupations		Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
21-1012	Educational, Guidance, and Career Counselors and Advisors					
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors ²	21-1011 Substance Abuse and Behavioral Disorder Counselors	21-1014 Mental Health Counselors			

SOC	Occupation Title	Alternate Occupations				
21-1022	Healthcare Social Workers					
23-0000	Legal Occupations	Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
23-1011	Lawyers					
23-2011	Paralegals and Legal Assistants					
25-0000	Educational Instruction and Library Occupations^{5,6}	Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
25-1071	Health Specialties Teachers, Postsecondary					
25-2011	Preschool Teachers, Except Special Education					
25-2012	Kindergarten Teachers, Except Special Education					
25-2021	Elementary School Teachers, Except Special Education					
25-2022	Middle School Teachers, Except Special and Career/Technical Education					
25-2031	Secondary School Teachers, Except Special and Career/Technical Education					
25-2032	Career/Technical Education Teachers, Secondary School					
25-2052	Special Education Teachers, Kindergarten and Elementary School	25-2055 Special Education Teachers, Kindergarten	25-2056 Special Education Teachers, Elementary School			
25-2057	Special Education Teachers, Middle School	25-2053 Special Education Teachers, Middle School				
25-2058	Special Education Teachers, Secondary School	25-2054 Special Education Teachers, Secondary School				
25-4022	Librarians and Media Collections Specialists	25-4021 Librarians	25-9011 Audio-Visual and Multimedia Collections Specialists			

SOC	Occupation Title	Alternate Occupations				
25-9031	Instructional Coordinators					
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
27-3031	Public Relations Specialists ²					
27-3091	Interpreters and Translators					
29-0000	Healthcare Practitioners and Technical Occupations⁴	Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
29-1011	Chiropractors					
29-1021	Dentists, General					
29-1041	Optometrists					
29-1071	Physician Assistants					
29-1081	Podiatrists					
29-1122	Occupational Therapists ⁷					
29-1123	Physical Therapists					
29-1126	Respiratory Therapists					
29-1127	Speech-Language Pathologists					
29-1141	Registered Nurses					
29-1151	Nurse Anesthetists					
29-1171	Nurse Practitioners					
29-1211	Anesthesiologists	29-1061 Anesthesiologists				
29-1215	Family Medicine Physicians	29-1062 Family and General Practitioners				
29-1216	General Internal Medicine Physicians	29-1063 Internists, General				

SOC	Occupation Title	Alternate Occupations				
29-1218	Obstetricians and Gynecologists	29-1064 Obstetricians and Gynecologists				
29-1221	Pediatricians, General	29-1065 Pediatricians, General				
29-1223	Psychiatrists	29-1066 Psychiatrists				
29-1248	Surgeons, Except Ophthalmologists	29-1242 Orthopedic Surgeons, Except Pediatric	29-1243 Pediatric Surgeons	29-1067 Surgeons		
29-1292	Dental Hygienists	29-2021 Dental Hygienists				
29-2031	Cardiovascular Technologists and Technicians					
29-2032	Diagnostic Medical Sonographers					
29-2034	Radiologic Technologists and Technicians					
29-2055	Surgical Technologists					
29-2061	Licensed Practical and Licensed Vocational Nurses					
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	29-2072 Medical Records Specialists	29-2036 Medical Dosimetrists	29-2054 Respiratory Therapy Technicians	29-2071 Medical Records and Health Information Technicians	

SOC	Occupation Title	Alternate Occupations				
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners a	29-9021 Health Information Technologists and Medical Registrars	29-9093 Surgical Assistants	29-2071 Medical Records and Health Information Technicians	29-2071 Medical Records and Health Information Technicians	
31-0000	Healthcare Support Occupations	Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
31-2021	Physical Therapist Assistants ²					
31-9092	Medical Assistants ⁵					
41-0000	Sales and Related Occupations	Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
41-3021	Insurance Sales Agents					
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel ²					
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products ²					
41-9031	Sales Engineers					
43-0000	Office and Administrative Support Occupations	Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
43-5061	Production, Planning, and Expediting Clerks					
47-0000	Construction and Extraction Occupations	Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers					
47-2011	Boilermakers ²					
47-2031	Carpenters					
47-2073	Operating Engineers and Other Construction Equipment Operators					
47-2111	Electricians					
47-2132	Insulation Workers, Mechanical					
47-2152	Plumbers, Pipefitters, and Steamfitters					
47-2171	Reinforcing Iron and Rebar Workers					
47-2211	Sheet Metal Workers					
47-2221	Structural Iron and Steel Workers					
47-4011	Construction and Building Inspectors					
47-5012	Rotary Drill Operators, Oil and Gas ⁸					
47-5013	Service Unit Operators, Oil and Gas ⁸					

SOC	Occupation Title	Alternate Occupations				
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	53-7032 Excavating and Loading Machine and Dragline Operators				
47-5071	Roustabouts, Oil and Gas ⁸					
49-0000	Installation, Maintenance, and Repair Occupations	Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
49-2098	Security and Fire Alarm Systems Installers ²					
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists					
49-3042	Mobile Heavy Equipment Mechanics, Except Engines					
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door ²					
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers					
49-9041	Industrial Machinery Mechanics					
49-9043	Maintenance Workers, Machinery					
49-9051	Electrical Power-Line Installers and Repairers ²					
51-0000	Production Occupations	Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
51-4041	Machinists					
51-4121	Welders, Cutters, Solderers, and Brazers					
51-8091	Chemical Plant and System Operators					
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers					
51-9161	Computer Numerically Controlled Tool Operators	51-4011 Computer-Controlled Machine Tool Operators, Metal and Plastic				
51-9162	Computer Numerically Controlled Tool Programmers ⁵	51-4012 Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic				

SOC	Occupation Title	Alternate Occupations				
		Alternate Occ #1	Alternate Occ #2	Alternate Occ #3	Alternate Occ #4	Alternate Occ #5
53-0000	Transportation and Material Moving Occupations					
53-3032	Heavy and Tractor-Trailer Truck Drivers					
53-5021	Captains, Mates, and Pilots of Water Vessels					
53-7021	Crane and Tower Operators					

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 2030 greater than or equal to the median for all occupations in the region ($\geq 1,802$)

Projected growth rate greater than or equal to the average of all occupations in the region ($\geq 17.6\%$)

Minimum education requirements of a postsecondary degree or certificate, moderate on-the-job training with no less than a high school diploma, 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 2021 median wage for all occupations in the region ($\geq \$21.32$)

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

2. Occupations on the previous High-Skill High-Growth List and meeting most or all other criteria with the exception of 50% of occupation employment in Targeted Industries due to inability to verify this requirement due to incomplete staffing patterns.

3. 17-20XX Engineers are treated collectively and subsequently meet size and growth criteria specified above.

4. 29-10XX Physicians are treated collectively and subsequently meet size and growth criteria specified above.

5. 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.

6. 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 as education-related occupations are typically compensated on a 9 or 10 month basis.

7. 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.

8. 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.

9. All data provided by Texas Workforce Commission - LMCI

Authorized for use by the Gulf Coast Workforce Board: **February 7, 2023**