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

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| SOC | Occupation Title | Alternate Occupations |
| 11-0000 | Management Occupations | Alternate Occ #1 | Alternate Occ #2 | Alternate Occ #3 | Alternate Occ #4 | Alternate Occ #5 |
|  |
| 11-1021 | General and Operations Managers² |  |  |  |  |  |
| 11-2021 | Marketing Managers² |  |  |  |  |  |
| 11-3021 | Computer and Information Systems Managers |  |  |  |  |  |
| 11-3031 | Financial Managers² |  |  |  |  |  |
| 11-3051 | Industrial Production Managers² |  |  |  |  |  |
| 11-3061 | Purchasing Managers² |  |  |  |  |  |
| 11-3071 | Transportation, Storage, and Distribution Managers² |  |  |  |  |  |
| 11-3121 | Human Resources Managers² |  |  |  |  |  |
| 11-9021 | Construction Managers |  |  |  |  |  |
| 11-9041 | Architectural and Engineering Managers |  |  |  |  |  |
| 11-9051 | Food Service Managers² |  |  |  |  |  |
| 11-9111 | Medical and Health Services Managers |  |  |  |  |  |
|  |  |
| 13-0000 | Business & Financial Operations | Alternate Occ #1 | Alternate Occ #2 | Alternate Occ #3 | Alternate Occ #4 | Alternate Occ #5 |
|  |
| 13-1051 | Cost Estimators |  |  |  |  |  |
| 13-1071 | Human Resources Specialists² |  |  |  |  |  |
| 13-1081 | Logisticians |  |  |  |  |  |
| 13-1111 | Management Analysts |  |  |  |  |  |
| 13-1121 | Meeting, Convention, and Event Planners² |  |  |  |  |  |
| 13-1141 | Compensation, Benefits, and Job Analysis Specialists² |  |  |  |  |  |
| 13-1151 | Training and Development Specialists² |  |  |  |  |  |
| 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 Other² | 13-2051Financial andInvestment Analysts | 13-2054Financial RiskSpecialists |  |  |  |

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

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| SOC | Occupation Title | Alternate Occupations |
| 15-1257 | Web Developers and Digital Interface Designers² | 15-1254Web Developers | 15-1255Web and DigitalInterface Designers | 15-1134Web 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 Drafters² |  |  |  |  |  |
| 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 Technicians² |  |  |  |  |  |
| 17-3027 | Mechanical Engineering Technologists and Technicians |  |  |  |  |  |
| 17-3031 | Surveying and Mapping Technicians |  |  |  |  |  |

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| SOC | Occupation Title | Alternate Occupations |
| 17-3098 | Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafter | 17-3028Calibration Technologists and Technicians | 55-3017Radar and SonarTechnicians |  |  |  |
|  |
| 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 Epidemiologists² |  |  |  |  |  |
| 19-2031 | Chemists |  |  |  |  |  |
| 19-2042 | Geoscientists, Except Hydrologists and Geographers |  |  |  |  |  |
| 19-3031 | Clinical, Counseling, and School Psychologists | 19-3033Clinical and CounselingPsychologists | 19-3034School Psychologists |  |  |  |
| 19-4045 | Geological and Hydrologic Technicians | 19-4043Geological Technicians, Except Hydrologic Technicians | 19-4044Hydrologic Technicians | 19-4041Geological and PetroleumTechnicians |  |  |
| 19-5011 | Occupational Health and Safety Specialists | 29-9011Occupational 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 Counselors² | 21-1011Substance Abuse and Behavioral Disorder Counselors | 21-1014Mental HealthCounselors |  |  |  |

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| SOC | Occupation Title | Alternate Occupations |
| 21-1022 | Healthcare Social Workers |  |  |  |  |  |
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| 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 Occupations5,6 | 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 | 25-2055Special EducationTeachers, Kindergarten | 25-2056Special Education Teachers, Elementary School |  |  |  |
| 25-2057 | Special Education Teachers, Middle School | 25-2053Special Education Teachers, Middle School |  |  |  |  |
| 25-2058 | Special Education Teachers, Secondary School | 25-2054Special Education Teachers, Secondary School |  |  |  |  |
| 25-4022 | Librarians and Media Collections Specialists | 25-4021Librarians | 25-9011Audio-Visual and Multimedia Collections Specialists |  |  |  |

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| SOC | Occupation Title | Alternate Occupations |
| 25-9031 | Instructional Coordinators |  |  |  |  |  |
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| 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 Specialists² |  |  |  |  |  |
| 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 Therapists7 |  |  |  |  |  |
| 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 | 29-1061Anesthesiologists |  |  |  |  |
| 29-1215 | Family Medicine Physicians | 29-1062Family and GeneralPractitioners |  |  |  |  |
| 29-1216 | General Internal Medicine Physicians | 29-1063Internists, General |  |  |  |  |

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| SOC | Occupation Title | Alternate Occupations |
| 29-1218 | Obstetricians and Gynecologists | 29-1064Obstetricians andGynecologists |  |  |  |  |
| 29-1221 | Pediatricians, General | 29-1065Pediatricians, General |  |  |  |  |
| 29-1223 | Psychiatrists | 29-1066Psychiatrists |  |  |  |  |
| 29-1248 | Surgeons, Except Ophthalmologists | 29-1242Orthopedic Surgeons, Except Pediatric | 29-1243Pediatric Surgeons | 29-1067Surgeons |  |  |
| 29-1292 | Dental Hygienists | 29-2021Dental 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 | 29-2072Medical RecordsSpecialists | 29-2036Medical Dosimetrists | 29-2054Respiratory TherapyTechnicians | 29-2071Medical Records and Health Information Technicians |  |

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| SOC | Occupation Title | Alternate Occupations |
| 29-9098 | Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners a | 29-9021Health Information Technologists and Medical Registrars | 29-9093Surgical Assistants | 29-2071Medical Records and Health Information Technicians | 29-2071Medical Records and Health Information Technicians |  |
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| 31-0000 | Healthcare Support Occupations | Alternate Occ #1 | Alternate Occ #2 | Alternate Occ #3 | Alternate Occ #4 | Alternate Occ #5 |
|  |
| 31-2021 | Physical Therapist Assistants² |  |  |  |  |  |
| 31-9092 | Medical Assistants5 |  |  |  |  |  |
|  |
| 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 Travel² |  |  |  |  |  |
| 41-4012 | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products² |  |  |  |  |  |
| 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 |  |  |  |  |  |
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| 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 | Boilermakers² |  |  |  |  |  |
| 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 Gas8 |  |  |  |  |  |
| 47-5013 | Service Unit Operators, Oil and Gas8 |  |  |  |  |  |

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| SOC | Occupation Title | Alternate Occupations |
| 47-5022 | Excavating and Loading Machine and Dragline Operators, Surface Mining | 53-7032Excavating and Loading Machine and Dragline Operators |  |  |  |  |
| 47-5071 | Roustabouts, Oil and Gas8 |  |  |  |  |  |
|  |
| 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 Installers² |  |  |  |  |  |
| 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 Door² |  |  |  |  |  |
| 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 Repairers² |  |  |  |  |  |
|  |
| 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 | 51-4011Computer-Controlled Machine Tool Operators, Metal and Plastic |  |  |  |  |
| 51-9162 | Computer Numerically Controlled Tool Programmers5 | 51-4012Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic |  |  |  |  |
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| SOC | Occupation Title | Alternate Occupations |
| 53-0000 | Transportation and Material Moving Occupations | Alternate Occ #1 | Alternate Occ #2 | Alternate Occ #3 | Alternate Occ #4 | Alternate Occ #5 |
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| 53-3032 | Heavy and Tractor-Trailer Truck Drivers |  |  |  |  |  |
| 53-5021 | Captains, Mates, and Pilots of Water Vessels |  |  |  |  |  |
| 53-7021 | Crane and Tower Operators |  |  |  |  |  |
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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 occupuation must be found in one or more GCWB Targeted Industries.

50% or more of total occupational employment must be found in thr 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 (≥ 1,802) Projected growth rate greater than or equal to the average of all occupations in the region (≥ 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 (≥ $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