



INDUSTRY-BASED CERTIFICATIONS

FOR MIDDLE-SKILL STEM OCCUPATIONS IN TEXAS

Texas Workforce Investment Council
November 2018

The Mission of the Texas Workforce Investment Council

Assisting the Governor and the Legislature with strategic planning for and evaluation of the Texas workforce system to promote the development of a well-educated, highly skilled workforce for Texas.

INDUSTRY-BASED CERTIFICATIONS FOR MIDDLE-SKILL STEM OCCUPATIONS IN TEXAS

TEXAS WORKFORCE INVESTMENT COUNCIL
NOVEMBER 2018

TABLE OF CONTENTS

| | |
|--|----|
| Overview | 1 |
| Texas Workforce Investment Council | 1 |
| Industry-Based Certification Identification | 2 |
| Defining an Industry-Based Certification | 2 |
| Identifying Middle-Skill STEM Occupations | 2 |
| Gathering Employer Feedback | 3 |
| Industry-Based Certifications that are Valuable to Employers | 3 |
| Conclusion | 4 |
| Industry-Based Certifications for Middle-Skill STEM Occupations: Part One | 5 |
| Industry-Based Certifications for Middle-Skill STEM Occupations: Part Two | 11 |
| Acknowledgements | 15 |
| Appendix: List of Industry-Based Certifications with Certifying Entities and Standard Occupation Classification Codes | 21 |

This page intentionally left blank.

OVERVIEW

In the modern labor market, there is an increasing role for third-party, industry-based certifications. Research conducted by the Texas Workforce Investment Council (Council) defined industry-based certifications as being industry-recognized, third-party assessed, and nationally portable credentials. Council research also found that many middle-skill science, technology, engineering, and math (STEM) occupations, which require education and training beyond high school but less than a four-year degree, are not only in-demand, but often provide higher wages compared to non-STEM jobs with similar educational requirements. These middle-skill STEM occupations are a critical segment of the workforce. Projected job growth in these occupations suggests that students who enter education and workforce training programs that result in an employer-valued credential, such as an industry-based certification or licensure, benefit from stronger employment.

In 2016, the Council launched a workforce system initiative to identify and track third-party, industry-based certifications for middle-skill STEM occupations. The overarching goal is to increase the workforce system's capacity to produce workers with an industry-valued credential for occupations that are growing in the state. While registered apprenticeships can be considered one of the original industry-based certifications, they are not included in the scope of this report.

This initial research has been a first pass at collecting information from employers about the certifications they value. A more robust process is being planned for the future that will engage more employers to assist in validating industry-based certifications. This initial list of certifications is intended to serve as a resource for Texas employers, local workforce boards, economic development groups, and educational entities such as community and technical colleges.

The Council welcomes feedback on the list of industry-based certifications included in this report. If you know of a third-party, industry-based certification for a middle-skill STEM occupation that employers value that is not on the list, and would like it to be considered in the future, please forward the following information to MSSOIBCfeedback@gov.texas.gov:

- a) Name of certification
- b) Name of certifying entity
- c) Middle-skill STEM occupation for which the industry-based certification is relevant

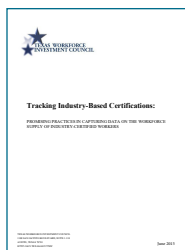
TEXAS WORKFORCE INVESTMENT COUNCIL

In *The Texas Workforce System Strategic Plan FY 2016–2023*, the Council identified three core competencies that must be strengthened across the system to respond to changing market conditions and the needs of workforce system customers. The core competencies include customer service and satisfaction, data-driven program improvement, and continuous improvement and innovation. The Council endorsed an approach at its February 2016 meeting to manage a series of strategic system initiatives to support development of these core competencies. This first initiative is based on research regarding the demand for middle-skill STEM workers and the increasing use of industry-based certifications, which will assist five of eight of the Council's workforce system partner agencies that identified industry-based certifications as a priority in the system strategic plan.

INDUSTRY-BASED CERTIFICATION IDENTIFICATION

The Council documented its extensive preliminary research by way of reports that were definitional in nature. The reports defined third-party, industry-based certifications; defined and identified middle-skill STEM occupations for Texas; and linked those occupations with the associated certifications. Following feedback on value from Texas employers, the list of certifications included in this report is constructed in two parts: one, IT-related, and two, all other certifications.

DEFINING AN INDUSTRY-BASED CERTIFICATION



A certification is a type of nontraditional award to an individual that demonstrates proficiency and knowledge, through examination, in a specific industry, occupation, or trade. As opposed to a certificate, which is an educational credential, obtaining a certification is not dependent on any actual education or training program. Candidates for certification are evaluated by independent, third-party professional and industry-based groups. These national organizations develop and maintain relevant proficiency standards that are assessed and sanctioned by industry-approved examination

facilities, independent of any educational institution or training program. Furthermore, certification expiration dates often require individuals to participate in continuing education or reexamination. This characterization of certifications has been accepted and endorsed by national entities, such as the National Association of Manufacturers, the Manufacturing Skill Standards Council, and the National Institute for Precision Metalworking.

Therefore, the Council defined an industry-based certification as *“a credential that is assessed by an independent, third-party certifying entity using predetermined standards for knowledge, skills, and competencies, resulting in a time-limited award that is nationally recognized and applicable to a specific occupation.”* Before work could begin to develop a system to track industry-based certification outcomes of education and training programs, the Council recognized that the state must identify those certifications that provide value to employers in Texas, particularly in the hiring process.

IDENTIFYING MIDDLE-SKILL STEM OCCUPATIONS



The Council began this process by first establishing a definition of middle-skill occupations and STEM occupations. There is no national agreement on which occupations are STEM occupations. An examination of employment statistics illustrated the difficult task of classifying and quantifying STEM occupations. Generally, STEM jobs have been identified as occupations in the fields of science, technology, engineering, and mathematics that require a four-year degree or higher. These high-skill jobs usually include industries ranging from advanced technology to research-oriented professions.

However, as industries continue to evolve, many occupations once considered non-STEM now require STEM-oriented skills and knowledge. The lack of a consensus definition of STEM has been problematic and created workforce analyses that vary considerably.

Based on Standard Occupational Classification (SOC) detailed occupation codes, STEM-classified occupations were determined from 11 different sources from nine federal, state, and institutional

organizations. Each source considered a different number of occupations as STEM. In all, 257 out of 840 detailed SOC occupations were identified as STEM by at least one of the 11 sources.

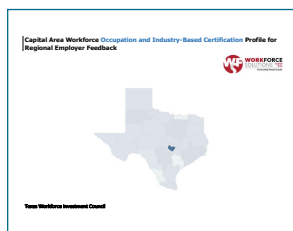
Based on the identified STEM occupations, a list of middle-skill STEM occupations was constructed using federal Bureau of Labor Statistics designations regarding typical education and training levels. From the list of occupations identified as STEM, 85 were identified as middle-skill STEM occupations.

The final step in this research generated a list of middle-skill STEM occupations important to the Texas economy. In addition to the list of 85 middle-skill STEM occupations, an additional 12 middle-skill classified jobs were identified and incorporated into the list. While these additional occupations were not considered STEM by any of the original 11 sources, they require substantial STEM-related skills and knowledge. Thus, a total of 97 middle-skill STEM occupations were identified for the state of Texas.

GATHERING EMPLOYER FEEDBACK

A Council-convened task group worked to develop an efficient, effective, and replicable process to engage employers and solicit feedback on industry-based certifications. After extensive analysis of labor market data and information, the task group determined that employers were the only source of information on the value of middle-skill STEM industry-based certifications. The task group recommended that the Council work with local workforce boards to engage employers to provide feedback on the list of middle-skill STEM industry-based certifications. It further recommended that regional profiles of middle-skill STEM occupations and certifications be constructed for each region through data analysis and information collected from local workforce board plans.

The process to assign regional occupations and certifications to local boards for employer feedback began with creating a planning matrix based on the Council's middle-skill STEM occupations list and the 28 local workforce development areas. Council staff then matched the middle-skill STEM occupations with target and in-demand occupations identified in each of the 28 board plans. Occupations were apportioned to boards using random assignment. Next, Council staff prepared a customized profile for each workforce development area, creating employer feedback forms for each assigned middle-skill STEM occupation and its associated industry-based certifications.



INDUSTRY-BASED CERTIFICATIONS THAT ARE VALUABLE TO EMPLOYERS

Recognizing that regional labor markets vary considerably, the task group determined that refining a list of certifications should result from direct feedback from employers at the regional level. This feedback was based upon an informed review of the list to determine employer awareness of and value placed on certifications that support employment outcomes in the middle-skill STEM occupations in their regions. Local workforce boards engaged employers in local workforce development areas in early 2018 and had the flexibility to choose any process that would work most effectively to achieve the goals of the employer feedback process.

The goal of gathering feedback was to engage employers in a collaborative process with workforce system partners to determine the third-party, industry-based certifications that employers recognize and value—that is, to identify the certifications that would result in a positive difference or outcome for a job

applicant. For the industry-based certifications contained in this report, employers' feedback indicated that the certification would make a positive impact in the hiring process, where—given equal skill, education, and experience—one candidate possessed the certification and the other did not.

CONCLUSION

The Texas labor market is changing. STEM occupations that require education and training beyond high school but less than a four-year degree are increasingly in demand and provide higher wages compared to non-STEM jobs with similar educational requirements. The Council's research indicates that these middle-skill STEM occupations are a critical segment of the workforce. Students who enter education and workforce training programs that result in a marketable credential, such as an industry-based certification or licensure, benefit from stronger employment outcomes. The Council anticipates that this current industry-based certification data will help inform local workforce boards, employers, community colleges, and other sub-baccalaureate education and training programs. This information can be used to inform policy changes, adjust training and education content, and assist in planning for the workforce of the future.

INDUSTRY-BASED CERTIFICATIONS FOR MIDDLE-SKILL STEM OCCUPATIONS: PART ONE

The diagram below explains how to read the list of industry-based certifications for middle-skill STEM occupations on the following pages. Occupations are listed in alphabetical order.

The left column contains the name of the middle-skill STEM occupation in bold print, followed by the standard occupation code (SOC) and the number of Texas workers in this occupation in 2016.

The center column contains labor market data for each middle-skill STEM occupation. The first number is the projected employment by 2026. The second number is the projected change in employment. The third number is the 2017 median annual wage for the occupation.

| MIDDLE-SKILL STEM OCCUPATIONS | INDUSTRY-BASED CERTIFICATIONS |
|---|--|
| Aerospace Engineering and Operations Technician SOC 17-3021 1,180 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | Aerospace Manufacturing Certification Certified Aerospace Technician |
| Animal Breeder SOC 45-2021 460 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | Licensed Breeder |
| Automotive Service Technician and Mechanic SOC 49-3023 54,140 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | Automobile Service Consultant Automobile Technician: Automatic Transmission/Transaxle Automobile Technician: Brakes Automobile Technician: Electrical/Electronic Systems Automobile Technician: Engine Performance Automobile Technician: Engine Repair Automobile Technician: Heating and Air Conditioning Automobile Technician: Manual Drive Train and Axles Automobile Technician: Service Consultant Automobile Technician: Suspension and Steering Automobile Technician - Light Vehicle Diesel Engines (A9) Automobile Service Technology Auto Maintenance and Light Repair Collision Repair and Refinish: Mechanical and Electrical Components Collision Repair and Refinish: Structural Analysis and Damage Repair Medium/Heavy Truck Technician: Brakes Medium/Heavy Truck Technician: Diesel Engines Medium/Heavy Truck Technician: Drive Trains Medium/Heavy Truck Technician: Electrical/Electronic Systems Medium/Heavy Truck Technician: Heating, Ventilation, & A/C Medium/Heavy Truck Technician: Suspension and Steering |
| Avionics Technician SOC 49-2091 1,860 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | Electronics Technician |
| Cardiovascular Technologist and Technician SOC 29-3031 5,200 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | Certified Cardiographic Technician Certified ECG Technician Certified EKG Technician |
| Computer-Controlled Machine Tool Operator, Metal and Plastic SOC 51-4011 10,580 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | Machine Building Levels II, III Mechanical Assembly ISA Certified Control Systems Technician |
| Computer Numerically Controlled Machine Tool Programmer SOC 51-4012 1,670 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | Machine Building Levels II, III Mechanical Assembly ISA Certified Control Systems Technician CNC Milling Skills Levels II, III, Operations Job Planning, Benchwork and Layout Measurement, Materials and Safety Metalforming Level 1 |
| Dental Assistant SOC 31-9091 28,420 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | |

The right column contains the industry-based certifications associated with the corresponding middle-skill STEM occupation in the left column.

MIDDLE-SKILL STEM OCCUPATIONS

INDUSTRY-BASED CERTIFICATIONS

Aerospace Engineering and Operations Technician

SOC 17-3021 | 1,180 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

1,360
 14.8%
 \$60,365

Aerospace Manufacturing Certification
 Certified Aerospace Technician

Animal Breeder

SOC 45-2021 | 460 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

520
 13.9%
 \$48,498

Licensed Breeder

Automotive Service Technician and Mechanic

SOC 49-3023 | 54,140 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

61,820
 14.2%
 \$39,773

Automobile Service Consultant
 Automobile Technician: Automatic Transmission/Transaxle
 Automobile Technician: Brakes
 Automobile Technician: Electrical/Electronic Systems
 Automobile Technician: Engine Performance
 Automobile Technician: Engine Repair
 Automobile Technician: Heating and Air Conditioning
 Automobile Technician: Manual Drive Train and Axles
 Automobile Technician: Service Consultant
 Automobile Technician: Suspension and Steering
 Automobile Technician - Light Vehicle Diesel Engines (A9)
 Automobile Service Technology
 Auto Maintenance and Light Repair
 Collision Repair and Refinish: Mechanical and Electrical Components
 Collision Repair and Refinish: Structural Analysis and Damage Repair
 Medium/Heavy Truck Technician: Brakes
 Medium/Heavy Truck Technician: Diesel Engines
 Medium/Heavy Truck Technician: Drive Trains
 Medium/Heavy Truck Technician: Electrical/Electronic Systems
 Medium/Heavy Truck Technician: Heating, Ventilation, & A/C
 Medium/Heavy Truck Technician: Suspension and Steering

Avionics Technician

SOC 49-2091 | 1,860 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

2,030
 9.4%
 \$57,864

Electronics Technician

Cardiovascular Technologist and Technician

SOC 29-3031 | 5,200 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

6,290
 20.9%
 \$43,798

Certified Cardiographic Technician
 Certified ECG Technician
 Certified EKG Technician

Computer-Controlled Machine Tool Operator, Metal and Plastic

SOC 51-4011 | 10,580 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

12,160
 14.9%
 \$40,776

Machine Building Levels II, III Mechanical Assembly
 ISA Certified Control Systems Technician
 CNC Milling Skills Levels II, III, Operations
 Job Planning, Benchwork and Layout
 Measurement, Materials and Safety
 Metalforming Level 1

Computer Numerically Controlled Machine Tool Programmer

SOC 51-4012 | 1,670 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

2,230
 33.8%
 \$53,087

CNC Turning Levels II, III, Operations
 Slide Forming Levels II, III

Dental Assistant

SOC 31-9091 | 28,420 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

34,670
 22.0%
 \$35,028

Certified Dental Assistant

MIDDLE-SKILL STEM OCCUPATIONS

INDUSTRY-BASED CERTIFICATIONS

Dental Hygienist

SOC 29-2021 | 12,530 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

15,260
 21.8%
 \$74,477

Licensed Dental Hygienist

Dental Laboratory Technician

SOC 51-9081 | 2,310 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

2,720
 17.7%
 \$36,767

Certified Dental Technician

Diagnostic Medical Sonographer

SOC 29-2032 | 5,230 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

7,040
 34.6%
 \$71,801

Registered Technologist - Computed Tomography
 Registered Technologist - Radiography
 Registered Technologist - Vascular Sonography
 Registered Technologist - Vascular-Interventional Radiography
 Registered Vascular Technology
 Registered Technologist - Mammography
 Registered Technologist - Sonography
 Registered Diagnostic Medical Sonographer - Abdomen
 Registered Diagnostic Medical Sonographer - Obstetrics and Gynecology
 Registered Technologist - Nuclear Medicine Technology

Dietetic Technician

SOC 29-2051 | 2,880 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

3,360
 16.7%
 \$23,462

Licensed Dietetic Technician

Electrical and Electronic Engineering Technician

SOC 17-3023 | 15,110 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

16,800
 11.2%
 \$65,228

Electrical, Level I
 Electronic Systems Technician, Level I

Electrician

SOC 47-2111 | 61,480 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

72,110
 17.3%
 \$47,382

Licensed Electrician

Electronic Home Entertainment Equipment Installer, Repairer

SOC 49-2097 | 2,190 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

2,540
 16.3%
 \$29,216

Certified Electronic Systems Technician
 Certified Engineering Technician - Audio Systems
 Certified Electronics Systems Associate
 Wireless Systems Installer Technician

Emergency Medical Technician and Paramedic

SOC 29-2041 | 18,720 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

22,400
 19.7%
 \$34,429

Licensed Paramedic

Hearing Aid Specialist

SOC 29-2092 | 410 workers
 Projected employment by 2026
 Projected employment increase 2016-2026
 2017 median annual wage

520
 25.5%
 \$45,494

Licensed Hearing Instrument Fitter and Dispenser

MIDDLE-SKILL STEM OCCUPATIONS

INDUSTRY-BASED CERTIFICATIONS

Licensed Practical and Licensed Vocational Nurse

SOC 29-2061 | 71,430 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

85,030

19.0%

\$45,394

Licensed Vocational Nurse

Magnetic Resonance Imaging Technologist

SOC 29-2035 | 2,790 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

3,460

24.0%

\$70,350

Registered Technologist - Cardiac-Interventional Radiography

Magnetic Resonance Imaging Technologist

Registered Technologist - Magnetic Resonance Imaging

Registered Technologist - Computed Tomography

Manufacturing Production Technician

SOC 17-3029 | 7,670 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

8,810

14.9%

\$60,513

Certified Logistics Associate

Certified Logistics Technician

Certified Production Technician

Mechanical Engineering Technician

SOC 17-3027 | 4,860 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

5,710

17.4%

\$63,232

Certified Quality Technician

Medical and Clinical Laboratory Technician

SOC 29-2012 | 11,890 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

14,320

20.4%

\$49,776

Certified Safety Professional

International Medical Technologist

Medical Laboratory Technician

Medical Laboratory Technician

Medical Lab Assistant

Phlebotomy Technician

Medical Assistant

SOC 31-9092 | 58,570 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

79,530

35.8%

\$30,379

Clinical Medical Assistant

Nuclear Medicine Technologist

SOC 29-2033 | 1,350 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

1,640

21.5%

\$75,733

Licensed Medical Technologist

Occupational Therapy Assistant

SOC 31-2011 | 3,760 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

5,120

36.1%

\$70,808

Occupational Therapy Assistant: Driving and Community Mobility

Occupational Therapy Assistant: Environmental Modification

Occupational Therapy Assistant: Feeding, Eating, and Swallowing

MIDDLE-SKILL STEM OCCUPATIONS

INDUSTRY-BASED CERTIFICATIONS

Operating Engineer, Construction, and Equipment Operator

| | |
|---|----------|
| SOC 47-2073 36,830 workers | |
| Projected employment by 2026 | 44,450 |
| Projected employment increase 2016-2026 | 20.7% |
| 2017 median annual wage | \$38,371 |

Heavy Equipment Operator: Motor Grader
Heavy Equipment Operator: Roller
Industrial Maintenance Support Mechanic
Heavy Equipment Operator: Backhoe
Industrial Maintenance Mechanic
Heavy Equipment Operator Level One
Heavy Equipment Operator: Dozer
Heavy Equipment Operator: Dump Truck
Heavy Equipment Operator: Loader
Heavy Equipment Operator: Excavator
Heavy Equipment Operator: Forklift
Carpenter
Construction
HVAC Technician
Industrial Millwright
Industrial Pipefitter
Instrumentation Technician
Masonry
Plumber

Ophthalmic Medical Technician

| | |
|---|----------|
| SOC 29-2057 4,240 workers | |
| Projected employment by 2026 | 5,300 |
| Projected employment increase 2016-2026 | 25.1% |
| 2017 median annual wage | \$31,953 |

Certified Ophthalmic Technician

Pharmacy Technician

| | |
|---|----------|
| SOC 29-2052 32,900 workers | |
| Projected employment by 2026 | 39,900 |
| Projected employment increase 2016-2026 | 21.3% |
| 2017 median annual wage | \$32,915 |

Certified Pharmacy Technician

Physical Therapist Assistant

| | |
|---|----------|
| SOC 31-2021 6,850 workers | |
| Projected employment by 2026 | 9,400 |
| Projected employment increase 2016-2026 | 37.3% |
| 2017 median annual wage | \$69,240 |

Wound Care Certified
Functional Training Specialty Certification
Orthopedic Exercise Specialty Certification
Orthopaedic Technologist Certified
Certification in Orthopedic Manual Therapy
Occupational Therapist Registered

Radiologic Technologist

| | |
|---|----------|
| SOC 29-2034 15,900 workers | |
| Projected employment by 2026 | 19,530 |
| Projected employment increase 2016-2026 | 22.8% |
| 2017 median annual wage | \$57,245 |

Licensed Medical Radiologic Technologist

Registered Nurse

| | |
|---|----------|
| SOC 29-1141 210,780 workers | |
| Projected employment by 2026 | 261,610 |
| Projected employment increase 2016-2026 | 24.1% |
| 2017 median annual wage | \$70,733 |

Licensed Registered Nurse

Respiratory Therapist

| | |
|---|----------|
| SOC 29-1126 11,780 workers | |
| Projected employment by 2026 | 15,940 |
| Projected employment increase 2016-2026 | 35.3% |
| 2017 median annual wage | \$59,002 |

Licensed Respiratory Care Practitioner

Surgical Technologist

| | |
|---|----------|
| SOC 29-2055 10,870 workers | |
| Projected employment by 2026 | 13,130 |
| Projected employment increase 2016-2026 | 20.8% |
| 2017 median annual wage | \$47,129 |

Certified Surgical Technologist

MIDDLE-SKILL STEM OCCUPATIONS

INDUSTRY-BASED CERTIFICATIONS

Surveying and Mapping Technician

SOC 17-3031 | 8,210 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

10,060

22.5%

\$41,801

Highway Surveys - Level I

Highway Surveys - Level II

Highway Surveys - Level III

Highway Surveys - Level IV

Certified Surveyor Technician: Office Track Level II

Certified Surveyor Technician: Field Track Level III

Certified Surveyor Technician: Office Track Level III

Certified Survey Technician Level I

Certified Surveyor Technician: Field Track Level II

Traffic Technician

SOC 53-6041 | 420 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

490

16.5%

\$39,347

Traffic Control Specialist

Traffic Control Technician

Electronics in Traffic Signal Technician

Traffic Signal Bench Technician Level II

Traffic Signal Inspector Level I

Roadway Lighting Technician Level I

Traffic Signal Technician Level I

Transportation Inspector

SOC 53-6051 | 3,730 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

4,270

14.4%

\$79,317

Certified Safety Supervisor

Veterinary Assistant and Laboratory Animal Caretaker

SOC 31-9096 | 5,110 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

6,380

24.9%

\$23,635

Certified Veterinary Assistant

Veterinary Technologist and Technician

SOC 29-2056 | 9,290 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

11,650

25.5%

\$29,672

Licensed Veterinary Technician

Water and Wastewater Treatment Plant and System Operator

SOC 51-8031 | 10,320 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

10,840

5.0%

\$37,347

Licensed Wastewater Collection System Operators

Licensed Water System Operators

Welder, Cutter, Solderer, and Brazier

SOC 51-4121 | 54,410 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

64,160

17.9%

\$42,286

Structural Steel Welder

Sheet Metal Welder

INDUSTRY-BASED CERTIFICATIONS FOR MIDDLE-SKILL STEM OCCUPATIONS: PART TWO

The diagram below explains how to read the list of Information Technology (IT) related certifications on the following pages. IT functional areas are matched with corresponding certifying entities due to the vast number of vendor/product-based certifications.

The left column contains the name of the IT functional area in bold print, followed by the standard occupation code (SOC) and the number of Texas workers in this occupation in 2016.

The center column contains labor market data for each area. The first number is the projected employment by 2026. The second number is the projected change in employment. The third number is the 2017 median annual wage for the occupation.

| IT FUNCTIONAL AREA | | CERTIFYING ENTITY |
|---|------------------------------|--|
| Business Analyst - Computer Systems Analyst SOC 15-1121 56,150 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | 41,260 14.8% \$115,257 | IBM Corporation Oracle Corporation SAP America, Inc. World Organization of Webmasters |
| Business Operations Manager SOC 11-9199 35,960 workers Projected employment by 2026 | 41,260 14.8% \$115,257 | IBM Corporation SAP America, Inc. Oracle Corporation |
| 2017 median annual wage | 16,360 16.5% \$35,512 | Alcatel Apple Computer, Inc. Brocade Communications Systems, Inc. Computing Technology Industry Association (CompTIA) |
| Graphic Designer SOC 27-1024 15,940 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | 17,970 12.8% \$46,417 | Adobe Systems Incorporated Certified Internet Web Professionals |
| Network Data/Analyst SOC 15-1141 11,810 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | 13,920 17.9% \$88,290 | EC-Council Cisco Systems, Inc. Citrix Systems Incorporated Oracle Corporation |
| Network Security SOC 15-1152 17,650 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | 20,180 14.3% \$68,286 | IBM Corporation SAP America, Inc. Oracle Corporation |
| Network Support - Computer Network Support Specialist SOC 15-1122 7,420 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | 9,900 33.5% \$92,626 | Alcatel Apple Computer, Inc. Brocade Communications Systems, Inc. Certified Wireless Network Professional Cisco Systems, Inc. Citrix Systems Incorporated Computing Technology Industry Association (CompTIA) Hewlett Packard Certification and Learning IBM Corporation Juniper Networks Linux Professional Institute Microsoft Corporation Oracle Network Appliance, Inc. Network Professional Association |
| Network Webmaster/Administrator SOC 15-1142 31,530 workers Projected employment by 2026 Projected employment increase 2016-2026 2017 median annual wage | 35,700 13.3% \$86,170 | World Organization of Webmasters Microsoft Corporation Oracle Corporation SAP America, Inc. |

The right column contains the product providers associated with the IT functional area in the left column.

IT FUNCTIONAL AREA

CERTIFYING ENTITY

Business Analyst - Computer Systems Analyst

SOC 15-1121|56,150 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

64,340

14.6%

\$88,945

IBM Corporation

Oracle Corporation

SAP America, Inc.

World Organization of Webmasters

Business Operations Manager

SOC 11-9199|35,960 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

41,260

14.8%

\$115,257

IBM Corporation

SAP America, Inc.

Oracle Corporation

Computer Repair

SOC 49-2011|14,050 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

16,360

16.5%

\$35,512

Alcatel

Apple Computer, Inc.

Brocade Communications Systems, Inc.

Computing Technology Industry Association (CompTIA)

Graphic Designer

SOC 27-1024|15,940 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

17,970

12.8%

\$46,417

Adobe Systems Incorporated

Certified Internet Web Professionals

Network Data/Analyst

SOC 15-1141|11,810 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

13,920

17.9%

\$88,290

EC-Council

Cisco Systems, Inc.

Citrix Systems Incorporated

Oracle Corporation

Network Security

SOC 15-1152|17,650 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

20,180

14.3%

\$68,286

ETA International

Global Information Assurance Certification

Cisco Systems, Inc.

Computing Technology Industry Association (CompTIA)

Network Support - Computer Network Support Specialist

SOC 15-1122|7,420 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

9,900

33.5%

\$92,626

Alcatel

Apple Computer, Inc.

Brocade Communications Systems, Inc.

Certified Wireless Network Professional

Cisco Systems, Inc.

Citrix Systems Incorporated

Computing Technology Industry Association (CompTIA)

Hewlett Packard Certification and Learning

IBM Corporation

Juniper Networks

Linux Professional Institute

Microsoft Corporation

Oracle

Network Appliance, Inc.

Network Professional Association

Network Webmaster/Administrator

SOC 15-1142|31,530 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

35,700

13.3%

\$86,170

World Organization of Webmasters

Microsoft Corporation

Oracle Corporation

SAP America, Inc.

IT FUNCTIONAL AREA

CERTIFYING ENTITY

Security Management Specialist - Information Security Analyst

SOC 15-1122 | 7,420 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

9,900

33.5%

\$92,626

Global Information Assurance Certification

Hewlett Packard Certification and Learning

IBM Corporation

International Information Systems Security Certification

Consortium, Inc.

Security Manager - Information Security Analyst

SOC 15-1122 | 7,420 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

9,900

33.5%

\$92,626

Hewlett Packard Certification and Learning

IBM Corporation

Security User Support, Cybersecurity - Information Security Analyst

SOC 15-1122 | 7,420 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

9,900

33.5%

\$92,626

Global Information Assurance Certification

RSA Security, Inc.

Symantec

Software Developer

SOC 15-1132 | 59,380 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

79,130

33.3%

\$107,722

Environmental Systems Research Institute

Hewlett Packard Certification and Learning

User Support - Computer User Support Specialist

SOC 15-1151 | 56,370 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

66,640

18.2%

\$49,428

Apple Computer, Inc.

Certified Wireless Network Professional

Computing Technology Industry Association (CompTIA)

Global Information Assurance Certification

ETA International

HDI

Hewlett Packard Certification and Learning

IBM Corporation

Institute for the Certification of Computing Professionals

Juniper Networks

Linux Professional Institute

Microsoft Corporation

Novell, Inc. - Education

Oracle Corporation

Web Developer

SOC 15-1134 | 10,130 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

12,100

19.5%

\$68,665

Adobe Systems Incorporated

Certified Internet Web Professionals

Webmaster/Administrator

SOC 15-1141 | 11,810 workers

Projected employment by 2026

Projected employment increase 2016-2026

2017 median annual wage

13,920

17.9%

\$88,290

Adobe Systems Incorporated

Certified Internet Web Professionals

This page intentionally left blank.

ACKNOWLEDGEMENTS

The Texas Workforce Investment Council would like to thank the state's local workforce boards and the following entities for their participation in this system initiative:

Participating Texas Employers

| | |
|---------------------------------------|---------------------------------------|
| 1424 Bistro | Ballard Family Dentistry |
| 287 Roadhouse | BASF |
| 38th Street Pharmacy | Baylor Scott & White |
| A.E. Hiller & Son Inc. | Baytown Enterprise Products Operating |
| Abilene Advanced Eyecare | Becton, Dickinson and Company |
| Abilene Eye Institute | Bell Helicopter |
| AbiMar Foods, Inc. | Bella Vista Ranch |
| Ace Fire & Sound | Bells Family Drug |
| Advance Services | Benzer Partnership |
| Advanced Eyecare | Big Country Eye Center |
| Advanced Pain Care | Bite Rite Lab |
| AECOM | Blaine Larsen Farms |
| AES | Bluebonnet Health Service |
| Affordable Dentures & Implants | Bob Evans Foods |
| Air Liquid | Bo-Mac Contractors, LTD. |
| Air Products & Chemicals | Bonham Family Drug |
| Airforce Turbine Services | Bowen Electric Co. |
| Airways Labs | BPL Plasma |
| All Points Surveying, Inc. | Braums |
| Allen Samuels Dodge Chrysler Jeep Ram | Bridgestone Bandag |
| Alliance Aviation Services | Broadwind Tower & Heavy Fabrications |
| Allied Machine & Welding | Brookshire's (Pottsboro) |
| Allison Welding | Brown Electric |
| American Heating | Brownwood Regional Medical Center |
| American Industrial Machine | BSA Health System |
| American Rice | Budget Optical |
| American Standard | Burger King |
| American TV & Appliance | Bush's Chicken |
| America's Best Contacts & Eyeglasses | Buzzi Unicem USA |
| Amistad Ready Mix | C&J Energy |
| Angelo Automatic Gates | C&S Propeller |
| Angelo Eye Center | Caltech |
| Anthony P Heneger DDS PA | Camino Real Fuels, LLC |
| Anzco | Campbell Soup |
| Apex Systems | Capital Medical Clinic |
| Arise Austin Medical Center | Capital Prosthetics and Orthotics |
| Arkema | Capital School of Austin |
| Art Salinas Engineering | Cardenas Superstore |
| Ascension - Seton | Carl H. Malone |
| Atrium Nursing & Rehabilitation | Carrabbas |
| Austin Foot and Ankle Specialists | Carter Bloodcare |
| Austin Ocular Prosthetics | Casa Ole |
| Austin Prosthetic Center | Cattle Company of Texas |
| Austin Surveyors | Cave-Bowlin Inc. dba |
| AutoZone | CB&I |
| Balfour Beatty Construction | CDTS, Inc |

Certified Safety Specialist LLC
 CFM Materials
 Chaparral Labs
 Charlie's Machine & Welding
 Chicken Express - College Station, Bryan
 Childress Regional Medical Center
 Christus - Sulphur Springs
 CIA&D
 Cinematic
 Citizens Medical Center
 City Machine & Welding
 City of Alice
 City of Alton
 City of Belton
 City of Carrizo Springs
 City of Crystal City
 City of Del Rio
 City of Edinburg
 City of Midland
 City of Mission
 City of Palmview
 City of Weslaco
 Coca-Cola Southwest Beverage
 Coddell Memorial Hospital
 Cogdell Hospital Snyder
 Comanche County Hospital
 Convergent Technologies
 Cornerstone Healthcare Group
 Corre Laboratories
 Coverlay Manufacturing
 Cowboy Gelato
 CPL - Gainesville
 CPL - Sherman
 Creative Solutions in Healthcare
 CS&D Technologies, LP.
 CSS Potato Farms
 Curtain Wall Design & Consulting
 CVQ Land Surveyors
 D&G Energy Corporation
 DanoneWave
 Dawson Geophysical
 Daybreak Community Service
 DeTar Healthcare System
 Divine Audio & Security
 Doctor's Hospital at Renaissance
 Dodd Surveying and Mapping
 Don Carlos
 Dougherty's Pharmacy
 Dr. Alan Larsen
 Dr. Larry Abernathy OD
 Drs. Comolli & Etheredge
 D-Tronic
 Dynamic Manufacturing Solutions
 E.I. DuPont

E.ON
 Eagle Dental Center
 East Texas Children's Dentistry
 Eaton Crouse-Hinds
 Ecolab
 Elbit Systems of America
 Ellwood Machining
 Endeavor Rehab Center
 Ener-Tel
 Executive Technical Services
 Eyemart Express
 Eyes of Texas
 Fabwright-Jackie
 Falls Community Hospital
 Family Vision
 Findley's Fountain - Pampa
 Floyd's Aero
 Forty Acres Pharmacy
 Fowler Eye Care
 Franklin Dentistry Assoc.
 Fusion Dental & Braces
 G&M Automotive & Speed Center
 Garcia's Used Parts
 GE Packaged Power
 GE Power
 General Electric International
 Genotox Laboratories, LTD
 Geonix Seismic
 Girling Health Care
 Golden Plains Community Hospital - Borger
 Goodier Cosmetics
 Goodyear Auto Service Center
 Grenta Machine
 Hallcon
 Hamilton Oilfield Services
 Hanger (Anderson Sq.)
 Harris Health
 Haskell Memorial Hospital
 Health Mart Pharmacy
 Health South
 Hemphill County Hospital District - Canadian, TX
 Hendrick Medical Center
 Hereford Nursing and Rehab
 Hereford Regional Med
 Heritage Parkway Pharmacy
 Hermes Music
 Hill Regional Hospital
 HKS
 Holt Carson, Inc.
 Home Care Assistance
 Huhtamaki
 Huntsman International
 Hydraulic Industrial Services
 IBEX Dental Technologies Inc

| | |
|---|---|
| InfoMark formerly Sevren | McDonald's |
| Integral Care | Med Savers Pharmacy |
| Integrity Dental Ceramics | Medicine Shoppe - Denison |
| Intertek | Melden & Hunt, Inc. |
| Invenergy LLC. | Methodist System |
| ISC Constructors | Mexia-Principal Inc. - Parkview Regional Hospital |
| Itani Dental Lab Inc. | Michael Fabian Surveying, Inc. |
| J&J Excavating & Materials | Midas Speedy Auto Service Experts |
| Jacobs | Midwest Fabrication |
| James Lovering DDS | Midwest Machine, LLC. |
| Janee Atkinson DDS | Minendeo Eye Center |
| JBS Five Rivers Cattle Feeding LLC- Hartley Feeders | Mission Maintenance Facility |
| JDC Healthcare Management, LLC | Mitchell County Hospital |
| Jefferson County Courthouse | Moore County Hospital District |
| Jefferson County Pct. #3 Road & Bridge | Mother Parkers Tea & Coffee |
| Johnson & Collins Orthodontics | MTZ Entertainment |
| Justin Crownover/Kay Crownover & Family & Lone | Muenster Pharmacy |
| Star Family Farms | Nemmer Electric |
| Karavel Wellness Center | New Life Prosthetics & Orthotics |
| KAT Excavation & Construction, Inc. | New York Pizza & Pasta |
| KBR | Newly Weds Foods |
| Kelly West DDS | Nextel Energy |
| Kimberly Clark | NTMC |
| King Surplus | NuCare Pharmacy |
| Kings Manor Methodist | Ocean Spray |
| Klein Tools, Inc. | Ochiltree Hospital |
| Kleinfelder | Ochiltree Hospital District |
| Knox County Hospital District | Odessa Pumps |
| Kohler Company | Oncor |
| Kuraray America Inc | Onestaff Medical |
| L3 Communications | Onin Staffing |
| L3 Technologies | Oppliger Land & Cattle |
| LabCorp | Optical Dispensary |
| Laddie's Electric Co. | Optimal Physical Therapy Solutions |
| Landmark Surveying, LP | O'reilly Auto Parts |
| Leeward Renewable Energy | Orthopedic Associates of Central Texas |
| Lens Crafters | Oxbow |
| Leonard Pharmacy | Pacheco Koch Consulting |
| Lexine, Inc. | Pactiv LLC Abilene TX |
| Lockheed Martin | PAE, Inc. |
| Lone Star Opticians | Pampa Regional Medical Center |
| Luby's Port Arthur | Panera Bread |
| Ludlum Measurements, Inc. | Panhandle Harvesting Services, LLC. |
| Lumatec Lighting Services | Pappadeaux's |
| Lyfe Tyme | Paris Family Dentist |
| Lyndon Wells | Paris Optical |
| LZ Hay | Paris Regional Medical Center |
| Magnolia Market | Paris Smiles |
| Mario's Tire Repair | Parmer County Community Hospital |
| Martin Marietta | Paul R Farmer DDS |
| Maverick Civil & Survey, LLC | Pena Engineering |
| Maverick County | People's Pharmacy |
| Maverick Welding | Pep Boys Auto Parts & Service |
| Mayes Welding | Permian Basin Rehab Center |

Pilgrim's Pride
 Pilot Flying J
 Pioneer Natural Resources
 Plains Memorial Hospital
 Port Enterprises, Ltd.
 PPC Supplies
 Pratt & Whitney DARO
 Precision Ceramics
 Precision Dental Lab
 Premier Retina Specialist
 Primoris Services Corporation
 Pro-Care Medical Center
 Progress Rail Services
 QS Dental Laboratory
 Quest Diagnostics, Inc.
 Ram Aircraft, LP
 Readymen Staffing
 Recana Solutions Inc
 Regency IHS Therapy Consulting, LLC
 Rehab Synergies
 Reichhold Chemicals
 Richardson Dentistry
 Rio Delta Surveying
 Rio Surveying Co.
 RMS Aerospace
 Root & Brown LLC
 Rosales Dental Lab
 Round Rock Prosthetics (Austin Location)
 Row Surveying Services, LLC.
 Royse City Dental
 Ruben's Body Shop
 Safran Electronics & Def. Avionics USA, LLC.
 Saulsbury Industries
 Salganik Vision Group & Optique
 Saltgrass Port Arthur
 SAM LLC
 Sam Rayburn Memorial Veterans Center
 Sam's Club Optical
 Sam's Pharmacy
 Sanderra RX Specialty Pharmacy
 Saputo
 Sav-On Denison
 Sav-On Sherman
 Scallon Controls, Inc.
 Seaboard Food Services, Inc.
 Securus Technology
 Sendero Drilling
 Service King Collision Repair
 Seton Healthcare Family
 Si Clinica
 Signature Science
 Sikorsky_(Lockheed Martin)
 Silsbee Oaks Health Care, LLP.
 Simply Vast

Singler Dental Ceramics Inc.
 Sivals, Inc.
 Skanska
 Sodexo
 South Texas Health Systems
 South Texas Personal Care
 Southern Champion Tray
 Southwest Area Regional Transit
 Southwestern Motor Transportation
 Space Exploration Technologies
 Spherion Staffing
 Spicy Mike's BBQ
 Sport Therapy
 Sprint
 St. David's Healthcare
 Stamford Memorial Hospital
 Star Power
 Starr County Memorial Hospital
 STHS Edinburg & Children's
 Su Clinica
 Summit Dental Lab Ltd.
 Sunset Eye Care
 Superior Marine Technical
 Supplemental Health Care
 Survey Works
 SWART
 Sweet Shop USA
 Swisher Memorial Healthcare System
 TagleRock Technologies, LLC.
 Talon Industries, Inc.
 Tarrytown Pharmacy
 Tejas Feeders
 Temps Plus
 Tequila's Mexican Restaurant
 Terracon
 Texas A&M Forest Service
 Texas Bone & Joint
 Texas Denture Clinic
 Texas Department of Transportation
 Texas Health Arlington Memorial
 Texas Health Harris Methodist Hospital Alliance
 Texas Health Huguley Hospital
 Texas Land Surveying
 Texas Oncology
 Texas Parks & Wildlife (Palo Duro Canyon)
 Texas Society of Professional Surveyors
 Texas State Optical
 The Austin Diagnostic Clinic
 The Brandt Companies, LLC
 The Eye Guys
 The Eye Institute
 The Hospital at Westlake Medical Center
 Therapy 2000
 Tim's Welding

Titus Regional Medical Center
TMC - Bonham
TMC - Denison
Total Physical Therapy
Trew James
Trinity Industries, LLC.
Triple S Industrial Corp.
United States Gypsum, Co.
University Medical Supply
University of Texas Health Science Center
Up Wind
Urgent Orthopedic Specialists
US Park Service (Lake Meredith)
Utex Industries, Inc.
Val Verde County
Valero
Valley Baptist Medical
Valley Regional Medical Center
Valley Striping Corporation
Valley Vending Service VVS Inc. - Cactus
Valverde Vegetable Co Inc.
Van Tran Industries, Inc.
Vestes
Vibra Rehabilitation Hospital of Lake Travis
Vibrant Smiles
Vic Auto Rebuilders
Villarreal's Express Lube
Vision Health Specialties
Vision Values
Visionworks
Vulcan Materials Company
Waco Dental & Denture Care
Wadley
Walgreen's (Broadway)
Walgreen's (Midway)
Walmart Vision
Waterloo Surveyors, Inc.
We Are Blood
Weber Construction
Wellington Care Center
West Dental Lab
West Fraser
Western Sales & Testing of Amarillo
WETS
WGS Oil Field Service, LLC
White Wright Pharmacy
WNJ
Workbox Staffing
WOW Food Concepts
WSP US

This page intentionally left blank.

APPENDIX: LIST OF INDUSTRY-BASED CERTIFICATIONS WITH CERTIFYING ENTITIES AND STANDARD OCCUPATION CLASSIFICATION CODES

The diagram below explains how to read the appendix, which includes the full list of industry-based certifications with certifying entities and standard occupation classification (SOC) codes.

Column 1 contains the name of the middle-skill STEM occupation or IT-related functional area. Column 2 lists the name of the certification. Column 3 indicates the SOC code related to the name in Column 1. Column 4 designates the certifying entity for each certification in Column 2. Columns 5 through 8 specify whether the certification is national, accredited, endorsed, or licensed in Texas.

| Name | Industry-Based Certification | SOC | Certifying Entity | National | Accredited | Endorsed | Licensed |
|---|--|---------|--|----------|------------|----------|----------|
| Aerospace Engineering and Operations Technician | Aerospace Manufacturing Certification | 17-3021 | SpaceTEC | Y | ICAC | | |
| Animal Breeder | Certified Aerospace Technician | 17-3021 | SpaceTEC | Y | ICAC | | |
| Automotive Service Technician and Mechanic | Licensed Breeder | 45-2021 | Texas Department of Licensing and Regulation | N | | | TX |
| | Automobile Service Technology | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Auto Maintenance and Light Repair | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Collision Repair and Refinish: Mechanical and Electrical Components | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Collision Repair and Refinish: Structural Analysis and Damage Repair | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Medium/Heavy Truck Technician: Brakes | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Medium/Heavy Truck Technician: Diesel Engines | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Medium/Heavy Truck Technician: Drive Trains | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Medium/Heavy Truck Technician: Electrical/Electronic Systems | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Medium/Heavy Truck Technician: Heating, Ventilation, & A/C | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Medium/Heavy Truck Technician: Suspension and Steering | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Automobile Service Consultant | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Automobile Technician: Automatic Transmission/Transaxle | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Automobile Technician: Brakes | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Automobile Technician: Electrical/Electronic Systems | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Automobile Technician: Engine Performance | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Automobile Technician: Heating and Air Conditioning | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Automobile Technician: Manual Drive Train and Axles | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Automobile Technician: Service Consultant | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |
| | Automobile Technician: Suspension and Steering | 49-3023 | National Institute for Automotive Service Excellence | Y | | | |

Definitions

Accredited – recognition that the content and quality of the program has been evaluated and meets standards set by the profession

Endorsed – approval or support from a major national industry association

Key

Accrediting Organizations:

- Accreditation Council for Occupational Therapy Education (ACOTE)
- American National Standards Institute (ANSI)
- International Certification Accreditation Council (ICAC)
- National Commission for Certifying Agencies (NCCA)

Endorsing Organizations:

- National Association of Manufacturers (NAM)
- SkillsUSA

| Name | Industry-Based Certification | SOC | Certifying Entity | National Accredited | Endorsed | Licensed |
|--|---|--------------------|--|---------------------|--------------|-----------|
| Aerospace Engineering and Operations Technician | Aerospace Manufacturing Certification Certified Aerospace Technician | 17-3021 17-3021 | SpaceTEC SpaceTEC | Y Y | IGAC IGAC | |
| Animal Breeder | Licensed Breeder | 45-2021 | Texas Department of Licensing and Regulation | N | | TX |
| Automotive Service Technician and Mechanic | Automobile Service Technology | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Auto Maintenance and Light Repair | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Collision Repair and Refinish: Mechanical and Electrical Components | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Collision Repair and Refinish: Structural Analysis and Damage Repair | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Medium/Heavy Truck Technician: Brakes | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Medium/Heavy Truck Technician: Diesel Engines | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Medium/Heavy Truck Technician: Drive Trains | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Medium/Heavy Truck Technician: Electrical/Electronic Systems | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Medium/Heavy Truck Technician: Heating, Ventilation, & A/C | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Medium/Heavy Truck Technician: Suspension and Steering | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Automobile Service Consultant | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Automobile Technician: Automatic Transmission/Transaxle | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Automobile Technician: Brakes | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Automobile Technician: Electrical/Electronic Systems | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Automobile Technician: Engine Performance | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Automobile Technician: Engine Repair | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Automobile Technician: Heating and Air Conditioning | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Automobile Technician: Manual Drive Train and Axles | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Automobile Technician: Service Consultant | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Automobile Technician: Suspension and Steering | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| | Automobile Technician - Light Vehicle Diesel Engines (A9) | 49-3023 | National Institute for Automotive Service Excellence | Y | | |
| Avionics Technician | Electronics Technician | 49-2091 | International Society of Certified Electronics Technicians | Y | ANSI | |
| Business Analyst - Computer Systems Analyst | Multiple - by certifying entity | 15-1121 | IBM Corporation | Y | | |
| | Multiple - by certifying entity | 15-1121 | Oracle Corporation | Y | | |
| | Multiple - by certifying entity | 15-1121 | SAP America, Inc. | Y | | |
| | Multiple - by certifying entity | 15-1121 | World Organization of Webmasters | Y | | SkillsUSA |
| Business Operations Manager | Multiple - by certifying entity | 11-9199 | IBM Corporation | Y | | |
| | Multiple - by certifying entity | 11-9199 | SAP America, Inc. | Y | | |
| | Multiple - by certifying entity | 11-9199 | Oracle Corporation | Y | | |
| Cardiovascular Technologist and Technician | Certified Cardiac Technician (CCT) | 29-2031 | Cardiovascular Credentialing International | Y | ANSI | |
| | Certified ECG Technician (NCET) | 29-2031 | National Center for Competency Testing | Y | NCCA | |
| | Certified EKG Technician (CET) | 29-2031 | National Healthcareer Association | Y | NCCA | |
| | Machine Building Levels II, III Mechanical Assembly | 51-4011 | National Institute for Metalworking Skills | Y | | NAM |
| Computer-Controlled Machine Tool Operator, Metal and Plastic | ISA Certified Control Systems Technician | 51-4011 | International Society of Automation | Y | | NAM |
| | CNC Milling Skills Levels II, III, Operations | 51-4011 | National Institute for Metalworking Skills | Y | | NAM |
| | Job Planning, Benchmark and Layout | 51-4011 | National Institute for Metalworking Skills | Y | | NAM |
| | Measurement, Materials and Safety | 51-4011 | National Institute for Metalworking Skills | Y | | NAM |
| | Metallforming Level 1 | 51-4011 | National Institute for Metalworking Skills | Y | | NAM |
| | CNC Turning Levels II, III, Operations | 51-4012 | National Institute for Metalworking Skills | Y | | NAM |
| Computer Numerically Controlled Machine Tool Programmer, Metal and Plastic | Slide Forming Levels II, III | 51-4012 | National Institute for Metalworking Skills | Y | | NAM |
| Computer Repair | Multiple - by certifying entity | 49-2011 | Alcatel | Y | | |
| | Multiple - by certifying entity | 49-2011 | Apple Computer, Inc. | Y | | |
| | Multiple - by certifying entity | 49-2011 | Brocade Communications Systems, Inc. | Y | | |
| | Multiple - by certifying entity | 49-2011 | Computing Technology Industry Association (CompTIA) | Y | ANSI | |
| Dental Assistant | Certified Dental Assistant | 31-9091 | Texas State Board of Dental Examiners | N | | TX |
| Dental Hygienist | Licensed Dental Hygienist | 29-2021 | Texas State Board of Dental Examiners | N | | TX |
| Dental Laboratory Technician | Certified Dental Technician | 51-9081 | National Board for Certification in Dental Laboratory Technology | Y | | |

| Name | Industry-Based Certification | SOC | Certifying Entity | National Accredited | Endorsed | Licensed |
|---|---|---------|--|---------------------|----------|----------|
| Diagnostic Medical Sonographer | Registered Technologist - Computed Tomography | 29-2032 | American Registry of Radiologic Technologists | Y | NCCA | |
| | Registered Technologist - Radiography | 29-2032 | American Registry of Radiologic Technologists | Y | NCCA | |
| | Registered Technologist - Vascular Sonography | 29-2032 | American Registry of Radiologic Technologists | Y | NCCA | |
| | Registered Technologist - Vascular-Interventional Radiography | 29-2032 | American Registry of Radiologic Technologists | Y | NCCA | |
| | Registered Vascular Technology | 29-2032 | American Registry of Diagnostic Medical Sonographers | Y | ANSI | |
| | Registered Technologist - Mammography | 29-2032 | American Registry of Radiologic Technologists | Y | NCCA | |
| | Registered Technologist - Sonography | 29-2032 | American Registry of Radiologic Technologists | Y | NCCA | |
| | Registered Diagnostic Medical Sonographer - Abdomen | 29-2032 | American Registry of Diagnostic Medical Sonographers | Y | ANSI | |
| | Registered Diagnostic Medical Sonographer - Obstetrics and Gynecology | 29-2032 | American Registry of Diagnostic Medical Sonographers | Y | ANSI | |
| | Registered Technologist - Nuclear Medicine Technology | 29-2032 | American Registry of Radiologic Technologists | Y | NCCA | |
| Dietetic Technician | Licensed Dietetic Technician | 29-2051 | Texas State Board of Dietitians | N | | TX |
| Electrical and Electronic Engineering Technician | Electrical Level I | 17-3023 | National Center for Construction Education and Research | Y | | |
| | Electronic Systems Technician, Level I | 17-3023 | National Center for Construction Education and Research | Y | | |
| Electrician | Licensed Electrician | 47-2111 | Texas Department of Licensing and Regulation | N | | TX |
| Electronic Home Entertainment Equipment Installer, Repairer | Certified Electronic Systems Technician | 49-2097 | Electronic Systems Professional Alliance | Y | | |
| | Certified Engineering Technician - Audio Systems | 49-2097 | National Institute for Certification in Engineering Technologies | Y | | |
| | Certified Electronics Systems Associate | 49-2097 | International Society of Certified Electronics Technicians | Y | ANSI | |
| | Wireless Systems Installer Technician | 49-2097 | National Association of Radio and Telecommunications Engineers, Inc. | Y | ICAC | |
| Emergency Medical Technician and Paramedic | Licensed Paramedic | 29-2041 | Texas Department of State Health Services | N | | TX |
| Graphic Designer | Multiple - by certifying entity | 27-1024 | Adobe Systems Incorporated | Y | | |
| | Multiple - by certifying entity | 27-1024 | Certified Internet Web Professionals | Y | | |
| Hearing Aid Specialist | Licensed Hearing Instrument Fitter and Dispenser | 29-2092 | Texas Department of Licensing and Regulation | N | | TX |
| Licensed Practical and Licensed Vocational Nurse | Licensed Vocational Nurse | 29-2061 | Texas Board of Nursing | N | | TX |
| Magnetic Resonance Imaging Technologist | Registered Technologist - Cardiac-Interventional Radiography | 29-2035 | American Registry of Radiologic Technologists | Y | NCCA | |
| | Magnetic Resonance Imaging Technologist | 29-2035 | American Registry of Magnetic Resonance Imaging Technologists | Y | NCCA | |
| | Registered Technologist - Magnetic Resonance Imaging | 29-2035 | American Registry of Radiologic Technologists | Y | NCCA | |
| Manufacturing Production Technician | Certified Logistics Associate (CLA) | 17-3029 | Manufacturing skill Standards Council | Y | | |
| | Certified Logistics Technician (CLT) | 17-3029 | Manufacturing skill Standards Council | Y | | |
| | Certified Production Technician | 17-3029 | Manufacturing skill Standards Council | Y | | |
| Mechanical Engineering Technician | Certified Quality Technician | 17-3027 | American Society for Quality | Y | NAM | |
| Medical and Clinical Laboratory Technician | International Medical Technologist | 29-2012 | American Society for Clinical Pathology | Y | ANSI | |
| | Medical Laboratory Technician | 29-2012 | American Society for Clinical Pathology | Y | ANSI | |
| | Medical Lab Assistant | 29-2012 | American Medical Technologists | Y | NCCA | |
| | Certified Safety Professional | 29-9012 | Board of Certified Safety Professionals | Y | | |
| | Medical Laboratory Technician | 29-2012 | American Medical Technologists | Y | NCCA | |
| | Phlebotomy Technician | 29-2012 | National Healthcareer Association | Y | NCCA | |
| Medical Assistant | Clinical Medical Assistant | 31-9092 | National Healthcareer Association | Y | NCCA | |
| Network Data/Analyst | Multiple - by certifying entity | 15-1141 | EC-Council | Y | | |
| | Multiple - by certifying entity | 15-1141 | Cisco Systems, Inc. | Y | ANSI | |
| | Multiple - by certifying entity | 15-1141 | Citrix Systems Incorporated | Y | | |
| | Multiple - by certifying entity | 15-1141 | Oracle Corporation | Y | | |
| Network Security | Multiple - by certifying entity | 15-1152 | ETA International | Y | ICAC | |
| | Multiple - by certifying entity | 15-1152 | Global Information Assurance Certification | Y | ANSI | |
| | Multiple - by certifying entity | 15-1152 | Cisco Systems, Inc. | Y | ANSI | |
| | Multiple - by certifying entity | 15-1152 | Computing Technology Industry Association (CompTIA) | Y | ANSI | |
| Network Support - Computer Network Support Specialist | Multiple - by certifying entity | 15-1152 | Alcatel | Y | | |
| | Multiple - by certifying entity | 15-1152 | Apple Computer, Inc. | Y | | |
| | Multiple - by certifying entity | 15-1152 | Certified Wireless Network Professional | Y | | |
| | Multiple - by certifying entity | 15-1152 | Cisco Systems, Inc. | Y | ANSI | |
| | Multiple - by certifying entity | 15-1152 | Citrix Systems Incorporated | Y | | |
| | Multiple - by certifying entity | 15-1152 | Computing Technology Industry Association (CompTIA) | Y | ANSI | |
| | Multiple - by certifying entity | 15-1152 | Hewlett Packard Certification and Learning | Y | | |
| | Multiple - by certifying entity | 15-1152 | IBM Corporation | Y | | |

| Name | Industry-Based Certification | SOC | Certifying Entity | National Accredited | Endorsed | Licensed |
|---|---|---------|---|---------------------|-----------|-----------|
| Network Support - Computer Network Support Specialist | Multiple - by certifying entity | 15-1152 | Juniper Networks | Y | | |
| | Multiple - by certifying entity | 15-1152 | Linux Professional Institute | Y | | |
| | Multiple - by certifying entity | 15-1152 | Microsoft Corporation | Y | ANSI | |
| | Multiple - by certifying entity | 15-1152 | Oracle | Y | | |
| | Multiple - by certifying entity | 15-1152 | Network Appliance, Inc. | Y | | |
| Network Webmaster/Administrator | Multiple - by certifying entity | 15-1152 | Network Professional Association | Y | | |
| | Multiple - by certifying entity | 15-1142 | World Organization of Webmasters | Y | | SkillsUSA |
| | Multiple - by certifying entity | 15-1142 | Microsoft Corporation | Y | ANSI | |
| | Multiple - by certifying entity | 15-1142 | Oracle Corporation | Y | | |
| | Multiple - by certifying entity | 15-1142 | SAP America, Inc. | Y | | |
| Nuclear Medicine Technologist | Licensed Medical Technologist | 29-2033 | Texas Medical Board | N | | TX |
| Occupational Therapy Assistant | Occupational Therapy Assistant: Feeding, Eating, and Swallowing | 31-2011 | American Occupational Therapy Association, Inc. | Y | ACOTE | |
| | Occupational Therapy Assistant: Environmental Modification | 31-2011 | American Occupational Therapy Association, Inc. | Y | ACOTE | |
| | Certified Occupational Therapist Registered | 31-2011 | National Board for Certification in Occupational Therapy, Inc. | Y | ANSI/NCCA | |
| | Occupational Therapy Assistant: Driving and Community Mobility | 31-2011 | American Occupational Therapy Association, Inc. | Y | ACOTE | |
| Operating Engineer, Construction, and Equipment Operator | Carpenter | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Construction | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | HVAC Technician | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Industrial Millwright | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Industrial Pipfitter | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Instrumentation Technician | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Masonry | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Plumber | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Heavy Equipment Operator: Roller | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Industrial Maintenance Support Mechanic | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Heavy Equipment Operator: Backhoe | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Industrial Maintenance Mechanic | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Heavy Equipment Operator: Level One | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Heavy Equipment Operator: Dozer | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Heavy Equipment Operator: Dump Truck | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Heavy Equipment Operator: Loader | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Heavy Equipment Operator: Excavator | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| | Heavy Equipment Operator: Forklift | 47-2073 | National Center for Construction Education and Research | Y | ANSI | NAM |
| Ophthalmic Medical Technician | Certified Ophthalmic Technician | 29-2057 | Joint Commission on Allied Health Personnel in Ophthalmology | Y | NCCA | |
| Pharmacy Technician | Certified Pharmacy Technician (CPhT) | 29-2052 | National Healthcare Association | Y | NCCA | |
| | Certified Pharmacy Technician (CPhT) | 29-2052 | Pharmacy Technician Certification Board | Y | NCCA | |
| Physical Therapist Assistant | Wound Care Certified | 31-2021 | National Alliance of Wound Care | Y | ANSI | |
| | Functional Training Specialty Certification | 31-2021 | American Council on Exercise | Y | NCCA | |
| | Orthopedic Exercise Specialty Certification | 31-2021 | American Council on Exercise | Y | NCCA | |
| | Orthopaedic Technologist Certified | 31-2021 | National Board for Certification of Orthopaedic Technologists | Y | NCCA | |
| | Certification in Orthopedic Manual Therapy | 31-2021 | International Academy of Orthopedic Medicine- US | Y | | |
| Radiologic Technologist | Occupational Therapist Registered | 31-2021 | National Board for Certification in Occupational Therapy, Inc. | Y | ANSI/NCCA | |
| | Licensed Medical Radiologic Technologist | 29-2034 | Texas Department of State Health Services | N | | TX |
| Registered Nurse | Licensed Registered Nurse | 29-1141 | Texas Board of Nursing | N | | TX |
| Respiratory Therapist | Licensed Respiratory Care Practitioner | 29-1126 | Texas Medical Board | N | | TX |
| Security Management Specialist - Information Security Analyst | Multiple - by certifying entity | 15-1122 | Global Information Assurance Certification | Y | ANSI | |
| | Multiple - by certifying entity | 15-1122 | Hewlett Packard Certification and Learning | Y | | |
| | Multiple - by certifying entity | 15-1122 | IBM Corporation | Y | | |
| | Multiple - by certifying entity | 15-1122 | International Information Systems Security Certification Consortium, Inc. | Y | ANSI | |
| Security Manager - Information Security Analyst | Multiple - by certifying entity | 15-1122 | Hewlett Packard Certification and Learning | Y | | |
| | Multiple - by certifying entity | 15-1122 | IBM Corporation | Y | | |
| Security User Support, Cybersecurity - Information Security Analyst | Multiple - by certifying entity | 15-1122 | Global Information Assurance Certification | Y | | |
| | Multiple - by certifying entity | 15-1122 | RSA Security, Inc. | Y | | |
| | Multiple - by certifying entity | 15-1122 | Symantec | Y | | |

| Name | Industry-Based Certification | SOC | Certifying Entity | National | Accredited | Endorsed | Licensed |
|--|---|---------|--|----------|------------|----------|----------|
| Software Developer | Multiple - by certifying entity Multiple - by certifying entity | 15-1132 | Environmental Systems Research Institute | Y | | | |
| | | 15-1132 | Hewlett Packard Certification and Learning | Y | | | |
| Surgical Technologist | Certified Surgical Technologist | 29-2055 | National Board of Surgical Technology and Surgical Assisting | Y | NCCA | | |
| | | 17-3031 | National Institute for Certification in Engineering Technologies | Y | | | |
| Surveying and Mapping Technician | Highway Surveys - Level I | 17-3031 | National Institute for Certification in Engineering Technologies | Y | | | |
| | Highway Surveys - Level II | 17-3031 | National Institute for Certification in Engineering Technologies | Y | | | |
| | Highway Surveys - Level III | 17-3031 | National Institute for Certification in Engineering Technologies | Y | | | |
| | Highway Surveys - Level IV | 17-3031 | National Institute for Certification in Engineering Technologies | Y | | | |
| | Certified Surveyor Technician: Office Track Level II | 17-3031 | National Society of Professional Surveyors | Y | | | |
| | Certified Surveyor Technician: Field Track Level III | 17-3031 | National Society of Professional Surveyors | Y | | | |
| | Certified Surveyor Technician: Office Track Level III | 17-3031 | National Society of Professional Surveyors | Y | | | |
| | Certified Survey Technician Level I | 17-3031 | National Society of Professional Surveyors | Y | | | |
| | Certified Surveyor Technician: Field Track Level II | 17-3031 | National Society of Professional Surveyors | Y | | | |
| | Traffic Control Specialist | 53-6041 | American Traffic Safety Services Association | Y | | | |
| | Traffic Control Technician | 53-6041 | American Traffic Safety Services Association | Y | | | |
| | Electronics in Traffic Signal Technician | 53-6041 | International Municipal Signal Association | Y | | | |
| Transportation Inspector | Traffic Signal Bench Technician Level II | 53-6041 | International Municipal Signal Association | Y | | | |
| | Traffic Signal Inspector Level I | 53-6041 | International Municipal Signal Association | Y | | | |
| | Roadway Lighting Technician Level I | 53-6041 | International Municipal Signal Association | Y | | | |
| | Traffic Signal Technician Level I | 53-6041 | International Municipal Signal Association | Y | | | |
| | Certified Safety Supervisor | 53-6051 | North American Transportation Management Institute | Y | | | |
| User Support - Computer User Support Specialist | Multiple - by certifying entity Multiple - by certifying entity Multiple - by certifying entity Multiple - by certifying entity Multiple - by certifying entity Multiple - by certifying entity Multiple - by certifying entity Multiple - by certifying entity Multiple - by certifying entity Multiple - by certifying entity Multiple - by certifying entity Multiple - by certifying entity Multiple - by certifying entity | 15-1151 | Apple Computer, Inc. | Y | | | |
| | | 15-1151 | Certified Wireless Network Professional | Y | | | |
| | | 15-1151 | Computing Technology Industry Association (CompTIA) | Y | ANSI | | |
| | | 15-1151 | Global Information Assurance Certification | Y | ANSI | | |
| | | 15-1151 | ETA International | Y | ICAC | | |
| | | 15-1151 | HDI | Y | | | |
| | | 15-1151 | Hewlett Packard Certification and Learning | Y | | | |
| | | 15-1151 | IBM Corporation | Y | | | |
| | | 15-1151 | Institute for the Certification of Computing Professionals | Y | | | |
| | | 15-1151 | Juniper Networks | Y | | | |
| | | 15-1151 | Linux Professional Institute | Y | | | |
| | | 15-1151 | Microsoft Corporation | Y | ANSI | | |
| | | 15-1151 | Novell, Inc. - Education | Y | | | |
| | | 15-1151 | Oracle Corporation | Y | | | |
| Veterinary Assistant and Laboratory Animal Caretaker | Certified Veterinary Assistant | 31-9096 | Texas Veterinary Medical Association | N | | | TX |
| Veterinary Technologist and Technician | Licensed Veterinary Technician | 29-2056 | Texas State Board of Veterinary Medical Examiners | N | | | TX |
| | | 51-8031 | Texas Commission on Environmental Quality | N | | | TX |
| Water and Wastewater Treatment Plant and System Operator | Licensed Wastewater Collection System Operators Licensed Water System Operators | 51-8031 | Texas Commission on Environmental Quality | N | | | TX |
| | | 51-8031 | Texas Commission on Environmental Quality | N | | | TX |
| Web Developer | Multiple - by certifying entity Multiple - by certifying entity | 15-1134 | Adobe Systems Incorporated | Y | | | |
| | | 15-1134 | Certified Internet Web Professionals | Y | | | |
| Webmaster/Administrator | Multiple - by certifying entity Multiple - by certifying entity | 15-1141 | Adobe Systems Incorporated | Y | | | |
| | | 15-1141 | Certified Internet Web Professionals | Y | | | |
| Welder, Cutter, Solderer, and Brazier | Structural Steel Welder Sheet Metal Welder | 51-4121 | American Welding Society | Y | | | NAM |
| | | 51-4121 | American Welding Society | Y | | | NAM |

Texas Workforce Investment Council

System Partners

Economic Development and Tourism
Texas Department of Criminal Justice
Texas Education Agency
Texas Health and Human Services Commission

Texas Higher Education Coordinating Board
Texas Juvenile Justice Department
Texas Veterans Commission
Texas Workforce Commission

Members

Mark Dunn (Chair), Lufkin
Sharla Hotchkiss (Vice Chair), Midland
Gina Aguirre Adams, Jones Creek
Mark Barberena, Fort Worth
Lindsey Geeslin, Waco
Carmen Olivas Graham, El Paso
Thomas Halbouty, Southlake
Robert Hawkins, Bellmead
Adam Hutchison, Elm Mott
Paul Jones, Austin
Wayne Oswald, Houston
Paul Puente, Houston
Richard Rhodes, Austin
Mike Morath, Austin
Raymund Paredes, Austin
Courtney Phillips, Austin
Larry Temple, Austin
Bryan Daniel, Austin

Representing

Business and Industry
Community-Based Organizations
Business and Industry
Labor
Labor
Education
Business and Industry
Labor
Education
Labor
Business and Industry
Labor
Education
Texas Education Agency
Texas Higher Education Coordinating Board
Texas Health and Human Services Commission
Texas Workforce Commission
Office of the Governor, Economic Development
and Tourism

Texas Workforce Investment Council
1100 San Jacinto, Suite 1.100
Austin, Texas 78701
<https://gov.texas.gov/organization/twic>