



A Closer Look at TEA Approved Industry Based Certifications

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Industry-Based Certifications

2019 - 2022 Industry-Based Certifications (IBCs)

The Texas Education Agency (TEA) released the updated list of industry-based certifications to be used for public school accountability. The new list of industry-based certifications went into effect for the 2019-2020 school-year and will apply to school accountability ratings in August 2021.

As the new list is reviewed, please make note of the following:

Business, Marketing and Finance clusters have been aligned together. In addition, Government & Public Administration has been aligned with the Law, Public Safety, Corrections and Security career cluster. Industry-Based Certifications are valuable in multiple career clusters. An example of this is the Autodesk AutoCAD certification which aligns with several careers. If the certification is earned, a district should report the certification regardless of the primary cluster identified on the list.



Primary Career Clusters



Agriculture, Food,
and
Natural Resources



Architecture
and
Construction



Arts, Audio/Video
Technology, and
Communications



Business, Marketing,
and Finance



Education
and
Training



Energy



Health Science



Hospitality
and
Tourism



Human
Services



Information
Technology



Law and
Public Service



Manufacturing



Science, Technology,
Engineering,
and Mathematics



Transportation,
Distribution,
and Logistics



How to find information on IBC's

- [Current list of approved Industry-Based Certifications for Public School Accountability](#) (PDF)
- [Industry-Based Certification 1 page resources](#)



Programs of Study and Approved IBC's



Agriculture, Food,
and
Natural Resources

- **Agribusiness**
 - None
- **Animal Science**
 - Licensed Veterinary Tech
 - Feedyard Technician in Cattle Care and Handling
 - Certified Veterinarian Assistant, Level 1
- **Applied Agriculture Engineering**
 - OSHA 30 Hour General Industry
 - OSHA Hazardous Waste Operations and Emergency Response
 - Feedyard Technician in Machinery Operation, Repair and Maintenance
- **Environmental and Natural Resources**
 - Wastewater Collections, Class 1
 - Water Operators, Class D
- **Food Science and Technology**
 - None
- **Plant Science**
 - Landscape Irrigation Technician License
 - Commercial/Noncommercial Pesticide Applicator
 - Texas State Floral Association Floral Skills Knowledge Based Certification
 - Texas State Floral Association Level One Floral Certification
 - Texas State Floral Association Level Two Certification



Programs of Study and Approved IBC's



Architecture
and
Construction

- Architectural Design
 - Autodesk Certified Professional or User in AutoCAD
 - Autodesk Certified Professional in AutoCAD Civil 3D
 - Autodesk Certified Professional in Revit Mechanical Building Systems
 - Autodesk Certified Professional or User in Revit Architecture
 - Autodesk Certified Professional in Revit MEP Electrical
- Carpentry
 - NCCER Carpentry, Level 1
 - NCCER Carpentry, Level 2
 - NCCER Commercial Carpenter
 - NCCER Core Curriculum
 - NCCER Painting/Commercial and Residential, Level 1
 - NCCER Weatherization, Level 1
 - OSHA 30 Hour Construction
- Construction Management and Inspection
 - NCCER Construction Site Safety Technician (CSST)
 - NCCER Construction Technology
- Electrical
 - Electrical Apprenticeship Certificate Level 1
 - NCCER Commercial Electrician
 - NCCER Electrical, Level 1
 - NCCER Electrical, Level 2
 - NCCER Electronic Systems Technician, Level 1
 - NCCER Electronic Systems Technician, Level 2
 - Wireless Systems Installer Technician
- HVAC and Sheet Metal
 - Refrigerant Handling (EPA 608)
 - NCCER Sheet Metal, Level 1
 - NCCER HVAC, Level 1
- Masonry
 - NCCER Masonry, Level 1
 - NCCER Masonry, Level 2
- Plumbing and Pipefitting
 - NCCER Pipefitting, Level 1
 - NCCER Plumbing, Level 1
 - NCCER Plumbing, Level 2
 - Tradesman Plumber - Limited License



Programs of Study and Approved IBC's



Arts, Audio/Video
Technology, and
Communications

- Design and Multimedia Arts

- Adobe Certified Associate (ACA) - After Effects
- "Adobe Certified Associate (ACA) - Animate (Multiplatform Animations using Adobe Animate CC)"
- "Adobe Certified Associate (ACA) - Creative Cloud (Photoshop, Illustrator, InDesign, Premiere Pro, Animate, and Dreamweaver)"
- "Adobe Certified Associate (ACA) - Creative Suite 6 (Photoshop, Flash, Dreamweaver, Premiere Pro)"
- "Adobe Certified Associate (ACA) - Flash (Interactive Media using Adobe Flash Professional)"
- "Adobe Certified Associate (ACA) - Illustrator (Graphic Design & Illustration using Adobe Illustrator)"
- "Adobe Certified Associate (ACA) - InDesign (Print & Digital Media Publication using Adobe InDesign)"
- "Adobe Certified Associate (ACA) - Photoshop (Visual Design using Adobe Photoshop)"
- "Adobe Certified Associate (ACA) - Premiere Pro (Digital Video using Adobe Premiere Pro)"
- "Adobe Certified Associate (ACA) - Visual Design Specialist - 3 Exams (Illustrator + InDesign + Photoshop)"
- "Adobe Certified Associate (ACA) - Web Design Specialist - 3 Exams (Flash Professional CS6 or Animate CC + Dreamweaver + Photoshop)"
- Adobe Certified Expert (ACE) - After Effects
- Adobe Certified Expert (ACE) - Illustrator
- Adobe Certified Expert (ACE) - InDesign
- Adobe Certified Expert (ACE) - Photoshop
- Adobe Certified Expert (ACE) - Premiere Pro
- Apple Final Cut Pro X
- Apple iWork
- Apple Logic Pro X

- Digital Communications

- Apple Final Cut Pro X
- Apple Logic Pro X
- Adobe Certified Expert (ACE) - Premiere Pro



Programs of Study and Approved IBC's



Business, Marketing,
and Finance

- **Business Management**

- Microsoft Office Master - 2016 Track 1 (MOS 2016 Word Expert + MOS 2016 Excel Expert + MOS 2016 PowerPoint + Elective (MOS 2016 Access or MOS 2016 Outlook))
- Certified Associate in Project Management (CAPM)
- Google Analytics Individual Qualification (GAIQ)
- Google Cloud Certified Professional - Cloud Architect
- Google Cloud Certified Professional- G Suite
- Microsoft Office Specialist Excel
- Microsoft Office Specialist Word
- Microsoft Office Expert Excel
- Microsoft Office Expert Word
- Microsoft Office Master - 2013 Track 1 (Word Expert + Excel Core + Elective)
- Microsoft Office Master - 2013 Track 2 (Excel Expert + Word Core + Elective)
- Microsoft Office Master - 2013 Track 3 (Word Expert + Excel Expert)

- **Accounting and Financial Services**

- Certified Insurance Service Representative
- Intuit QuickBooks Certified User (QBCU)
- Real Estate Sales Agent License

- **Entrepreneurship**

- Entrepreneurship and Small Business (ESB)

- **Marketing**

- Microsoft Office Specialists or Expert – Excel
- Microsoft Office Specialists or Expert – Word
- Google Analytics Individual Qualification
- Entrepreneurship and Small Business



Programs of Study and Approved IBC's



Education
and
Training

- Early Learning
 - Child Development Associate (CDA)
- Teaching and Training
 - Educational Aide I



Programs of Study and Approved IBC's



Energy

- Oil and Gas Exploration and Production
 - None
- Refining and Chemical Processes
 - MSSC Certified Production Technician (CPT)



Programs of Study and Approved IBC's



Health Science

- Exercise Science and Wellness
 - Certified Personal Trainer
 - Licensed Dietetic Technician
- Health Diagnostics
 - Certified Cardiographic Technician
 - Certified EKG/ECG Technician
 - Limited Licensed Radiology Technologist
 - Medical Laboratory Technician
 - Phlebotomy Technician
 - Registered Diagnostic Medical Sonographer - Abdomen
 - Registered Diagnostic Medical Sonographer - Obstetrics and Gynecology
 - Registered Technologist - Cardiac-Interventional Radiography
 - Registered Technologist - Computed Tomography
 - Registered Technologist - Magnetic Resonance Imaging
 - Registered Technologist - Mammography
 - Registered Technologist - Nuclear Medicine Technology
 - Registered Technologist - Radiography
 - Registered Technologist - Sonography
 - Registered Technologist - Vascular Sonography
 - Registered Technologist - Vascular-Interventional Radiography
 - Registered Vascular Technology
- Health Informatics
 - Certified Coding Associate
 - Medical Coding and Billing Specialist
- Health Therapeutics
 - Certified Dental Assistant (CDA)
 - Clinical Medical Assistant
 - Certified Ophthalmic Technician
 - Certified Pharmacy Technician
 - Certified Surgical Technologist
 - Licensed Dental Hygienist
 - Orthopedic Technologist
 - Registered Dental Assistant
- Medical Therapy
 - Certified Occupational Therapy Assistant
 - Certified Respiratory Therapist
 - Orthopedic Exercise Specialty Certification
- Nursing Science
 - Certified Nurse Aide/Assistant (CNA)
 - Licensed Vocational Nurse
 - Patient Care Technician
 - Registered Nurse



Programs of Study and Approved IBC's



Hospitality
and
Tourism

- Culinary Arts
 - Certified Fundamentals Cook (CFC)
 - Certified Fundamentals Pastry Cook (CFPC)
 - ServSafe Manager
 - ManageFirst Professional® (MFP) Credential
- Lodging and Resort Management
 - Certified Hospitality & Tourism Management Professional (AHLEI)
- Travel, Tourism and Attractions
 - Certified Hospitality & Tourism Management Professional (AHLEI)
 - Entrepreneurship and Small Business
 - Certified Associate in Project Management



Programs of Study and Approved IBC's



Human
Services

- **Cosmetology and Personal Care Services**
 - Barber Operator License
 - Cosmetology Esthetician Specialty License
 - Cosmetology Manicurist Specialty License
 - Cosmetology Operator License
- **Family and Community Services**
 - Community Health Worker Certification
- **Health and Wellness**
 - Community Health Worker Certification
 - Entrepreneurship and Small Business



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Programs of Study and Approved IBC's



Information
Technology

● Information Technology Support and Services

- Associate of (ISC)² Designation
- Cisco Certified Design Associate (CCDA)
- Cisco Certified Network Associate - Cloud (CCNA Cloud)
- Cisco Certified Network Associate - Cyber Ops (CCNA Cyber Ops)
- Cisco Certified Network Associate - Data Center (CCNA Data Center)
- CompTIA A+ Certification
- CompTIA IT Fundamentals+
- Microsoft Technology Associate (MTA) Database Administration Fundamentals
- "Microsoft Technology Associate (MTA) HTML5 Application Development Fundamentals"
- Microsoft Technology Associate (MTA) Windows Operating System Fundamentals
- "Microsoft Technology Associate (MTA) Windows Server Administration Fundamentals"
- Oracle Certified Database Associate

● Networking Systems

- CompTIA Network+
- Cisco Certified Entry Networking Technician (CCENT)
- Cisco Certified Network Associate - Security (CCNA Security)
- Cisco Certified Network Associate - Service Provider (CCNA SP)
- CompTIA Security+
- Microsoft Technology Associate (MTA) Cloud Fundamentals
- Microsoft Technology Associate (MTA) Networking Fundamentals
- Microsoft Technology Associate (MTA) Security Fundamentals

● Programming and Software Development

- App Development with Swift Certification Level 1
- C++ Certified Associate Programmer (CPA)
- ESRI (Environmental Systems Research Institute) ArcGIS Desktop Entry
- "Microsoft Technology Associate (MTA) Introduction to Programming Using HTML and CSS"
- Microsoft Technology Associate (MTA) Introduction to Programming Using Java
- "Microsoft Technology Associate (MTA) Introduction to Programming Using JavaScript"
- Microsoft Technology Associate (MTA) Introduction to Programming Using Python
- Microsoft Technology Associate (MTA) Mobility and Device Fundamentals
- Microsoft Technology Associate (MTA) Software Development Fundamentals
- Oracle Certified Associate (OCA), JAVA SE 8 Programmer (1Z0-808)
- Unity Certified Programmer

● Web Development

- WD Certified Web Design Certification



Programs of Study and Approved IBC's



Law and
Public Service

- **Emergency Services**
 - "Basic Structure Fire Protection Certification (Texas Commission on Fire Protection -TCFP)"
 - International Academy of Emergency Dispatch
 - Emergency Telecommunicator
 - Emergency Medical Technician Basic (Healthcare Therapeutics Credit as well)
- **Government and Public Administration**
 - None
- **Law Enforcement**
 - Non-Commissioned Security Officer Level II
- **Legal Studies**
 - None



Programs of Study and Approved IBC's



Manufacturing

Advanced Manufacturing and Machinery Mechanics

- FANUC Robot Operator 1
- Mastercam Associate Certification - Mill Design and Toolpaths
- Mastercam Associate Level Certification
- NCCER Industrial Maintenance Mechanic, Level 1
- NCCER Instrumentation, Level 1
- NCCER Millwright, Level 1
- NCCER Millwright, Level 2
- "NIMS (National Institute for Metal Working Skills) Industrial TechnologyMaintenance (ITM) - Electrical Systems"
- "NIMS (National Institute for Metal Working Skills) Industrial TechnologyMaintenance (ITM) - Electronic Control Systems"
- "NIMS (National Institute for Metal Working Skills) Industrial TechnologyMaintenance (ITM) - Maintenance Operations"
- "NIMS (National Institute for Metal Working Skills) Industrial TechnologyMaintenance (ITM) - Maintenance Piping"
- "NIMS (National Institute for Metal Working Skills) Industrial TechnologyMaintenance (ITM) - Maintenance Welding"
- "NIMS (National Institute for Metal Working Skills) Industrial TechnologyMaintenance (ITM) - Process Control Systems"
- "NIMS (National Institute for Metal Working Skills) Machining Level I - CNC Milling:Operations"

Engineering

- Autodesk Certified Professional or User (ACU)- Inventor
- Certified Engineering Technician - Audio Systems
- Certified SolidWorks Associate (CSWA)

Manufacturing Technology

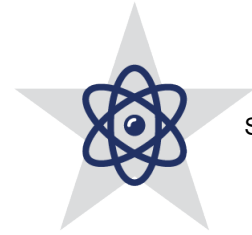
- Certified Electronics Systems Associate
- ISA Certified Control Systems Technician
- ISCET Associate-Level Certified Electronics Technicians (CET)
- Mastercam Certified Professional Mill Level 1 (CPgM1)
- Mastercam Professional Level Certification
- "MSSC (Manufacturing Skills Standards Council) Certified Production Technician(CPT)"
- "NIMS (National Institute for Metal Working Skills) Industrial TechnologyMaintenance (ITM) - Basic Mechanical Systems"
- "NIMS (National Institute for Metal Working Skills) Industrial TechnologyMaintenance (ITM) - Basic Pneumatic Systems"
- "NIMS (National Institute for Metal Working Skills) Machining Level I - CNC Milling:Programming Setup & Operations"
- "NIMS (National Institute for Metal Working Skills) Machining Level I - CNC Turning:Operations"
- "NIMS (National Institute for Metal Working Skills) Machining Level I - CNC Turning:Programming Setup & Operations"
- "NIMS (National Institute for Metal Working Skills) Machining Level I - Drill PressSkills I"
- "NIMS (National Institute for Metal Working Skills) Machining Level I - Grinding Skills"
- "NIMS (National Institute for Metal Working Skills) Machining Level I - ManualMilling Skills I"
- "NIMS (National Institute for Metal Working Skills) Machining Level I - Measurement, Material & Safety"

Welding

- America Welding Society Certified Welder
- API 1104 Welding Certificate
- AWS D1.1 Structural Steel
- AWS D9.1 Sheet Metal
- AWS SENSE Welding Level 1
- NCCER Welding, Level 1



Programs of Study and Approved IBC's



Science, Technology,
Engineering,
and Mathematics

- **Biomedical Science**
 - Medical Laboratory Assistant
 - Medical Laboratory Technician
- **Cybersecurity**
 - Oracle Certified Associate Java SE8
 - Oracle Certified Database Associate
 - Cisco Certified Entry Networking Technician (CCENT)
 - CompTIA A+, Network+, Security+, and IT Fundamentals
- **Engineering**
 - Autodesk Certified Professional or User (ACU)-Inventor
 - Certified SolidWorks Associate (CSWA)
 - Certified Engineer Technician – Audio Systems
- **Programming and Software Development**
 - Microsoft Technology Associate (MTA) Introduction to Programming Using Python
 - Microsoft Technology Associate (MTA) Introduction to Programming Using JavaScript
- **Renewable Energy**
 - None



Programs of Study and Approved IBC's



Transportation,
Distribution,
and Logistics

Automotive

- ASE Engine Repair (A1)
- ASE Entry-Level Certification: Engine Repair (ER)
- ASE Automatic Transmission/Transaxle (A2)
- ASE Entry-Level Automatic Transmission/Transaxle (AT)
- ASE Automobile Service Technology/Entry-Level Automobile Service Technology
- ASE Automotive Maintenance and Light Repair (G1)
- ASE Automotive Maintenance and Light Repair (MR)
- ASE Brakes (A5)
- ASE Entry-Level Brakes (BR)
- ASE Electronic/Electrical Systems (A6)
- ASE Entry-Level Electronic/Electrical Systems (EE)
- ASE Engine Performance (A8)
- ASE Entry-Level Engine Performance (EP)
- ASE Heating and A/C (A7)
- ASE Entry-Level Heating and A/C (AC)
- ASE Manual Drive Train and Axles (A3)
- ASE Entry-Level Certification: Manual Drive Train and Axles (MD)
- ASE Mechanical and Electrical Components (B5)
- ASE Entry-Level Mechanical and Electrical Components (ME)
- ASE Medium/Heavy Truck Technician, Brakes (T4)
- ASE Entry-Level Medium/Heavy Truck Technician, Brakes (TB)
- ASE Non-Structural Analysis and Damage Repair (B3)
- ASE Entry-Level Non-Structural Analysis and Damage Repair (SR)
- ASE Painting and Refinishing (B2)
- ASE Painting and Refinishing (PR)
- ASE Refrigerant Recovery and Recycling (EPA Section 609) - Professional
- ASE Structural Analysis and Damage Repair (B4)
- ASE Entry-Level Structural Analysis and Damage Repair
- ASE Suspension and Steering (A4)
- ASE Entry-Level Suspension and Steering (SS)

Aviation Maintenance

- Aerospace Manufacturing Certification
- Certified Aerospace Technician
- FAA (Federal Aviation Administration) Aviation Maintenance Technician - General
- FAA (Federal Aviation Administration) Aviation Mechanic Technician - Airframe

Diesel and Heavy Equipment

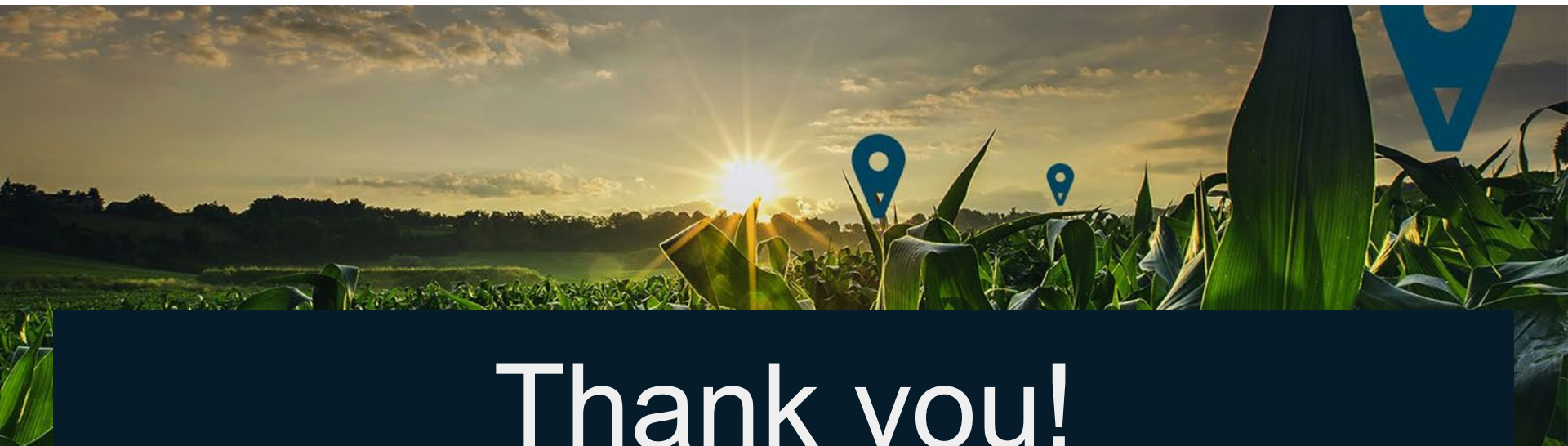
- ASE Medium/Heavy Truck Technician, Diesel Engines (T2)
- ASE Entry-Level Medium/Heavy Truck Technician, Diesel Engines (DE)
- ASE Medium/Heavy Truck Technician, Drive Train (T3) - Professional
- ASE Medium/Heavy Truck Technician, Electrical/Electronic Systems (T6)
- ASE Entry-Level Medium/Heavy Truck Technician, Electrical/Electronic Systems (TE)
- ASE Medium/Heavy Truck Technician, HVAC (T7) - Professional
- ASE Medium/Heavy Truck Technician, Suspension and Steering (T5)
- ASE Entry-Level Medium/Heavy Truck Technician, Suspension and Steering (TS)

Distribution and Logistics

- MSSC (Manufacturing Skills Standards Council) Certified Logistics Technician (CLT)



Type of Student	If an IBC was earned		then report the IBC in the following TSDS PEIMS Collection:			
	From	To	2019-2020	2020-2021		2021-2022
			Summer (Sub 3)	Fall (Sub 1)	Summer (Sub 3)	Fall (Sub 1)
Currently enrolled student, student enrolled in 2019–2020 SY (leaver), or 2020 graduate	September 1, 2019	May 31, 2020	X	X (if not reported in 19–20 Summer Submission)		
Currently enrolled student, student enrolled in 2019–2020 SY (leaver), or 2020 graduate	June 1, 2020	August 31, 2020		X		
Student ever enrolled during 2020–2021 SY (including 2021 graduate)	September 1, 2020	May 31, 2021			X	
Currently enrolled student, student enrolled in 2020–2021 SY (leaver), or 2021 graduate	June 1, 2021	August 31, 2021				X



Thank you!



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