

Career and Technical Education

INDUSTRY CERTIFICATION GUIDE



Texas Education Agency
1701 North Congress Avenue
Austin, TX 78701-1494
www.tea.state.tx.us

Contact Information

Cluster Directors	Career Cluster	Email Contact
Karen Batchelor	State Director	karen.batchelor@tea.state.tx.us
Esther Camacho	Arts, A/V Technology & Communications	yolanda.camacho@tea.state.tx.us

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Career and Technical Education Industry Certifications

The *Industry Certification Guide* for 2008 has been prepared by the Career and Technical Education (CTE) staff of the Texas Education Agency (TEA) as a resource for educators, industry partners, and parents.

Earning an industry certification has many benefits. It gives students a sense of accomplishment, a highly valued professional credential, and helps students become more employable with higher starting salaries. Valid reliable certifications are also evidence of technical skill attainment. Industry certifications, therefore, are an important component of a CTE program of study.

Certification opportunities are one avenue through which CTE fulfills its goals under the state law: Section §29.181 Texas Education Code, *Each public school student shall master the basic skills and knowledge necessary for: (1) managing the dual roles of family member and wage earner; and (2) gaining entry-level employment in a high-skill, high-wage job or continuing the student's education at the postsecondary level.*

TEA does not endorse or recommend any particular certificate or license, but provides as many resources as possible for districts to enhance students' professional growth and development. Before offering certifications, districts should consult with local business and industry partners to determine which certifications or licensures would be most valued by local employers. In some instances, certain certifications may be best accomplished in partnership with postsecondary programs.

The framework for the guide is based on a renewed vision for CTE programs for the 21st century. The Carl D. Perkins Career and Technical Education Act of 2006 envisions that all students will achieve challenging academic and technical standards and be prepared for high-skill, high-wage, or high-demand occupations in current or emerging professions.

School districts are required to report the extent of technical skill attainment in their annual Perkins application/evaluation. Students earning industry recognized certifications and licensures is one way to determine the extent of technical skill attainment in Texas.

The TEA staff will endeavor to keep information current with the help of CTE administrators and teachers as well as representatives from business and industry. Suggestions or comments can be submitted to career@tea.state.tx.us.

*For the complete *Industry Certification Guide* including all cluster certifications and crosswalk document, go to [www.http://www.tea.state.tx.us/cte/cte_industry_certifications.html](http://www.tea.state.tx.us/cte/cte_industry_certifications.html)

Adobe Illustrator Certification (ACE)

CREDENTIAL DESCRIPTION	The Adobe Illustrator CS3 test measures knowledge of Adobe Illustrator CS3. Designed for experienced users, this test covers the following topics: Color Images, Image Basics, Printing, Text, and General Knowledge.
REGULATORY ENTITY	Adobe 345 Park Avenue San Jose, CA 95110-2704 www.adobe.com/education/instruction/ace/ace_register.html
PROCEDURAL REQUIREMENTS	Online credentialing process.
INSTRUCTOR QUALIFICATIONS	Teachers must be Texas certified in the appropriate field. May also be required to be a Certified Adobe Instructor.
STUDENT TRAINING	Online pre-test training associated with Adobe Illustrator Certification is suggested in Communication Technology.
TESTING PREREQUISITES	Adobe Illustrator Certification tests are administered by Pearson VUE, Thomson Prometric or at an Adobe Authorized Training Center (AATC).
EXAM FEE(S)	\$80

Adobe PageMaker Certification (ACE)

CREDENTIAL DESCRIPTION	The Adobe PageMaker 7.0 test measures knowledge of Adobe PageMaker 7.0. Designed for experienced users, this test covers the following topics: Advanced Features, Color, Document Layout, Graphics, Linked Files, Outputting/Exporting, Portability, Typography, and User Interface.
REGULATORY ENTITY	Adobe 345 Park Avenue San Jose, CA 95110-2704 www.adobe.com/education/instruction/ace/ace_register.html
PROCEDURAL REQUIREMENTS	Online credentialing process.
INSTRUCTOR QUALIFICATIONS	Teachers must be Texas certified in the appropriate field. May also be required to be a Certified Adobe Instructors.
STUDENT TRAINING	Online pre-test training associated with Adobe PageMaker Certification is suggested in Communication Technology.
TESTING PREREQUISITES	Adobe PageMaker Certification tests are administered by Pearson VUE, Thomson Prometric or at an Adobe Authorized Training Center (AATC).
EXAM FEE(S)	\$80

Adobe Photoshop CS3 Certification (ACE)

CREDENTIAL DESCRIPTION	The Adobe Photoshop CS3 test measures knowledge of Adobe Photoshop CS3. Designed for experienced users, this test includes the following topics: Color, Drawing and Editing, Efficiency, Image Control, Layers, Masks and Channels, Painting and Retouching, Saving and Exporting, Text, and the Work Area.
REGULATORY ENTITY	Adobe 345 Park Avenue San Jose, CA 95110-2704 www.adobe.com/education/instruction/ace/ace_register.html
PROCEDURAL REQUIREMENTS	Online credentialing process.
INSTRUCTOR QUALIFICATIONS	Teachers must be Texas certified in the appropriate field. May also be required to be a Certified Adobe Instructors.
STUDENT TRAINING	Online pre-test training associated with Adobe Photoshop Certification is suggested in Communication Technology.
TESTING PREREQUISITES	Adobe Photoshop Certification tests are administered by Pearson VUE, Thomson Prometric or at an Adobe Authorized Training Center (AATC).
EXAM FEE(S)	\$80

Audio Systems Certificate - Level II

CREDENTIAL DESCRIPTION	<p>This certification program is for engineering technicians engaged in the layout, installation, and maintenance of audio systems for commercial, industrial, and large space applications. Level II is for technicians who perform routine tasks under general daily supervision.</p> <p>Certification requires a minimum of two years of installation, maintenance, and/or design-related work, one year of which shall be specifically involved with audio systems, and the balance may be employment in technical specialties within the normal scope of communications systems contracting.</p>
REGULATORY ENTITY	<p>National Institute for Certification in Engineering Technologies (NICET) 1420 King Street Alexandria, VA 122314-2794 Phone: 888-IS-NICET https://www.nicet.org/index.cfm</p>
PROCEDURAL REQUIREMENTS	<p>Pass Level II exam requirement, which involves passing a number of small testing modules from Levels I and II.</p>
INSTRUCTOR QUALIFICATIONS	<p>Teachers must be Texas certified in the appropriate field.</p>
STUDENT TRAINING	<p>Work-based learning supported by classroom instruction.</p>
TESTING PREREQUISITES	<p>Submit application for testing.</p>
EXAM FEE(S)	<p>Examination fee \$205 Renewal fee after 3 years \$125 https://www.nicet.org/certificants/fees.cfm</p>

Certified Broadcast Networking Technologist (CBNT)

CREDENTIAL DESCRIPTION	The certificate is a document that recognizes professional competence with networking hardware as utilized in business and audio/video applications in broadcast facilities.
REGULATORY ENTITY	Society of Broadcast Engineers (SBE) 9102 N. Meridian Street , Suite 150 Indianapolis, IN 46260 Phone: 317-846-9000 Fax: 317-846-9120 http://www.sbe.org/cert_index.php
PROCEDURAL REQUIREMENTS	Achieve a passing grade on the proficiency exam. By achieving a passing grade on the proficiency examination.
INSTRUCTOR QUALIFICATIONS	Teachers must be Texas certified in the appropriate field.
STUDENT TRAINING	Study and review of CBNT reference materials.
TESTING PREREQUISITES	There is no experience requirement to be eligible for the examination other than current employment in broadcast engineering or related technology. Students must include copy of transcript with application fee.
EXAM FEE(S)	SBE Members: \$55 Non-members: \$121 Renewal Period: 5 years

Certified Broadcast Technologist (CBT)

CREDENTIAL DESCRIPTION	The certificate is a document that recognizes professional competence with networking hardware in AM/FM and TV.
REGULATORY ENTITY	Society of Broadcast Engineers (SBE) 9102 N. Meridian Street , Suite 150 Indianapolis, IN 46260 Phone: 317-846-9000 Fax: 317-846-9120 http://www.sbe.org/cert_index.php
PROCEDURAL REQUIREMENTS	Achieve a passing grade on the proficiency exam.
INSTRUCTOR QUALIFICATIONS	Teachers must be Texas certified in the appropriate field.
STUDENT TRAINING	Study and review of CBT reference materials.
TESTING PREREQUISITES	There is no experience requirement to be eligible for the examination other than current employment in broadcast engineering or related technology. Students must include copy of transcript with application fee.
EXAM FEE(S)	SBE Members: \$45 Non-members: \$111 Renewal Period: 5 years

Certified Network Computer Technician

CREDENTIAL DESCRIPTION	This certification is offered as evidence that the individual has the knowledge necessary to be a certified network computer technician.
REGULATORY ENTITY	Electronics Technicians Association International (ETA) 5 Depot Street Greencastle, IN 46135 Phone: 800-288-3824 or 765-653-8262 Fax: 765-653-4287 Email: ta@eta-i.org http://www.eta-i.org/StandAlone.html
PROCEDURAL REQUIREMENTS	Pass the CNCT examination
INSTRUCTOR QUALIFICATIONS	Teachers must be Texas certified in the appropriate field.
STUDENT TRAINING	Competencies available at ETA website: http://www.etai.org/StandAlone.html . The ETA has various resources available that they recommend for preparation.
TESTING PREREQUISITES	United States citizen with six months of schooling or training.
EXAM FEE(S)	\$75 Renewal Period: 4 Years

Certified Radio Operator (CRO)

CREDENTIAL DESCRIPTION	The Society of Broadcast Engineers (SBE) offers a radio operator certification examination that covers much of the same information that the Third-class License FCC license covers and provides a benchmark standard to gauge an individual's proficiency in station operations.
REGULATORY ENTITY	Society of Broadcast Engineers (SBE) 9102 N. Meridian Street , Suite 150 Indianapolis, IN 46260 Phone: 317-846-9000 Fax: 317-846-9120 http://www.sbe.org/cert_index.php
PROCEDURAL REQUIREMENTS	Complete a test based on the certification handbook
INSTRUCTOR QUALIFICATIONS	Teachers must be Texas certified in the appropriate field.
STUDENT TRAINING	Study and review of CRO reference materials.
TESTING PREREQUISITES	There is no experience requirement to be eligible for the examination other than current employment in broadcast engineering or related technology. Students must include copy of transcript with application fee.
EXAM FEE(S)	SBE Members: \$45 Non-Members: \$111 Renewal Period: 5 years

Certified Television Operator (CTO)

CREDENTIAL DESCRIPTION	The Society of Broadcast Engineers (SBE) Television Operator Certifications is a great way to demonstrate to a prospective employer that you have acquired the basic knowledge to operate a television station and comply with FCC Rules and Regulations
REGULATORY ENTITY	Society of Broadcast Engineers (SBE) 9102 N. Meridian Street , Suite 150 Indianapolis, IN 46260 Phone: 317-846-9000 Fax: 317-846-9120 http://www.sbe.org/cert_index.php
PROCEDURAL REQUIREMENTS	Study a certification handbook. Complete a test based on that material.
INSTRUCTOR QUALIFICATIONS	Teachers must be Texas certified in the appropriate field.
STUDENT TRAINING	Study and review of CRO reference materials.
TESTING PREREQUISITES	There is no experience requirement to be eligible for the examination other than current employment in broadcast engineering or related technology. Students must include copy of transcript with application fee.
EXAM FEE(S)	SBE Members: \$45 Non-Members: \$111 Renewal Period: 5 years

Microsoft FrontPage 2000 Certification

CREDENTIAL DESCRIPTION	The MS Front Page 2000 test measures knowledge of developing Web sites using Microsoft's Front Page 2000. Designed for experienced developers, this test covers the following topics: Creating and Managing Webs; Creating Tables and Forms; Creating Web Pages; FP Client Compatibility; Front Page Components; General Knowledge; Media; Publishing Web Sites; Site Analysis, Design, and Maintenance; Templates, Wizards, Tasks, and Frames; Web Servers, Server Management, and Server Extensions; and Web Technologies.
REGULATORY ENTITY	Microsoft Corporation One Microsoft Way Redmond, WA 98052-6399 http://www.microsoft.com/trainingandservices/ www.microsoft.com/learning/mcp/officespecialist/default.asp Email: services@certiport.com Exams are administered by: Pearson VUE (register at www.vue.com , or call 877-619-2096) Thomson Prometric (register at http://securereg3.prometric.com/)
PROCEDURAL REQUIREMENTS	Online credentialing process or classroom training. Pass 40 multiple choice questions for certification.
INSTRUCTOR QUALIFICATIONS	Teachers must be Texas certified in the appropriate field.
STUDENT TRAINING	Online training tutorials available.
TESTING PREREQUISITES	Experience with Microsoft © FrontPage 2000.
EXAM FEE(S)	\$9.95 Various online vendors available.

PrintED

CREDENTIAL DESCRIPTION	PrintED is a national accreditation program, based on industry standards, for graphic communications course of study at the secondary and postsecondary levels. Accreditation is awarded to applicants that meet PrintED's six required standards in at least two areas of accreditation. Competencies have been defined and developed for each area of accreditation by educators and industry. Student certification is awarded through testing delivered by the National Occupational Competency Testing Institute (NOCTI).
REGULATORY ENTITY	Graphic Arts Education and Research Foundation (GAERF) Eileen D. Cassidy, Director 1899 Preston White Drive Reston, VA 20191-5468 Phone: 703-264-7200 Toll-Free: 866-381-9839 Fax: 703-620-3165 http://www.gaerf.org
PROCEDURAL REQUIREMENTS	Student testing is delivered through the National Occupational Competency Testing Institute (NOCTI). Online testing is available in three areas: Introduction to Graphic Communications, Offset Press Operations, and Digital File Preparation .
INSTRUCTOR QUALIFICATIONS	Teachers must be Texas certified in the appropriate field.
STUDENT TRAINING	PrintED has identified six standards that encompass the elements of a solid training program. The course of study must meet these standards in at least two areas. The areas of accreditation are: <ul style="list-style-type: none"> ▪ Introduction to Graphic Communications ▪ Offset Press Operations ▪ Binding and Finishing ▪ Digital File Preparation ▪ Digital File Output ▪ Advanced Offset Press Operations ▪ Advanced Digital File Preparation
TESTING PREREQUISITES	Students enrolled in a PrintED accredited program and identified by the instructor as having demonstrated proficiency in completing at least 80% of the required hands-on tasks.
EXAM FEE(S)	\$30.00 per exam

Project+ Project Management

CREDENTIAL DESCRIPTION	<p>CompTIA Project+ certification is a global credential that validates the knowledge required to effectively manage information technology-related projects throughout the entire project life cycle. Individuals with 12 months practical project management experience or those with a strong desire to demonstrate project management knowledge should consider earning this certification. Based on best practices of project management, as identified by major organizations, the exam incorporates project management concepts including important soft skills such as conflict resolution, negotiation, communication, team building/leadership, and setting and mapping expectations.</p>
REGULATORY ENTITY	<p>Computing Technology Industry Association (CompTIA) 1815 S. Meyers Road, Suite 300 Oakborrk Terrace, IL 60181-5228 Phone: 630-678-8300 Fax: 630-678-8384 http://comptia.org</p>
PROCEDURAL REQUIREMENTS	<p>The Project+ examination for certification is delivered through CompTIA. Students may test on-line through local testing centers available in most larger cities in Texas.</p>
INSTRUCTOR QUALIFICATIONS	<p>Teachers must be Texas certified in the appropriate field.</p>
STUDENT TRAINING	<p>Although formal training is not required, 12 months of practical project management experience is recommended. Project+ preparation materials and workshops are available through CompTIA.</p>
TESTING PREREQUISITES	<p>There are no prerequisites, and candidates are not required to submit an application or complete additional hours of continuing education.</p>
EXAM FEE(S)	<p>CTIA Educational Members: \$115 Non-members: \$225 (test only) \$253.71 (test voucher and manual)</p>

Scenic Artist Apprenticeship

CREDENTIAL DESCRIPTION	The Scenic Artist Apprenticeship program is a three-year program sponsored by Unites Scenic Artists, local 829 and partially funded by the New York State Department of Labor. The program trains the apprentice to scenic art industry standards in movies, network TV, cable and episodic TV, scenery supplier shops, the Metropolitan Opera and large crew commercials.
REGULATORY ENTITY	United Scenic Artists, Local 829 Cathy Santucci-Keator, Apprenticeship Administrator 29 West 38th Street New York, New York 10018 Phone: 212-581-0300 Fax: 212-977-2011
PROCEDURAL REQUIREMENTS	Pass a three part test administered by the local. The parts are: Aptitude, Portfolio and Skills respectively. Each part of the test must be passed before continuing to the next. After passing the three parts of the test, the scores are tallied and the top scores are admitted into the apprenticeship program. On the job training with related classroom instruction follows for the three year period.
INSTRUCTOR QUALIFICATIONS	Teachers must be Texas certified in the appropriate field.
STUDENT TRAINING	The student is assigned a variety of different jobs as an apprentice over the three year program. The apprentice must complete approximately four thousand hours of training in a variety of specific skills. Related classwork and homework projects are required
TESTING PREREQUISITES	<ul style="list-style-type: none"> ▪ High School Diploma OR GED ▪ Minimum Age: 18 ▪ Working knowledge of art, theatre, film and related industries ▪ Less than three years of scenic art experience is recommended ▪ Reliable transportation to job sites and training locations ▪ Physical requirements
EXAM FEE(S)	There is no fee for the exams.