



REGION XIII
EDUCATION SERVICE CENTER



CERTIFICATION 101

Educator Certification Program for Career & Technical Education

Reality Check

- Swelling student enrollments in CTE classes
- New CTE courses, career academies
- Graying teacher workforce
- Challenges of effective teacher recruitment efforts
- “Revolving door”
 - HISTORIC TURNOVER RATES
 - ½ OF ALL TEACHERS NEEDED IN THE NEXT TEN YEARS HAVE NOT BEEN HIRED
 - » source: NEA (National Education Association)

How do I get a teacher “CTE Certified?”

- A “CTE” teaching certificate is the same type of certificate any other teacher gets!
- Regardless of a person’s prior experiences or education, they must go through the required certification process!
 - Just like I would have to do to become an attorney or a cosmetologist, etc!

(In some instances, adding a CTE certificate might not be necessary...teacher might be eligible to teach the CTE course with their current certificates. Refer to TAC §231.)

How do I get a teacher “CTE Certified?”

- The process will be different for each individual and it would be best for the candidate to contact SBEC.
- In general, if a teacher already holds a valid Texas teaching certificate, he/she may test out of any of the CTE areas that do not require work experience. (Agriculture, Business, FCS, and Technology Education.)
- For Marketing, Health Science Technology, and Trades and Industrial Education, there are other requirements that must be in place in order for certification to occur.

Updates to Certification

- Last summer, the State Board for Educator Certification (SBEC) approved proposed amendments to rules for certification requirements for new career and technical education (CTE) courses that became effective in the fall of 2010.
- “Chapter 231”
 - <http://info.sos.state.tx.us/fids/201004175-1.pdf>

Required Teacher Training

- For teachers who will be teaching the new CTE courses for math or science graduation requirements, there will be a required in-service training available this year.
- The language from 19 TAC §231.1(e) for each of these courses says *“All teachers assigned to this course shall participate in Texas Education Agency (TEA)-approved training prior to teaching this course effective with the 2012-2013 school year. Teachers assigned to this course in the 2010-2011 and/or 2011-2012 school year will have 12 months from the date the training is first offered to complete the TEA-approved training requirement.”*

Required Teacher Training

CTE Course	Meets requirement for:
Advanced Animal Science	Science
Advanced Biotechnology	Science
Advanced Plant and Soil Science	Science
Engineering Design & Problem Solving	Science
Engineering Mathematics	Math
Food Science	Science
Forensic Science	Science
Mathematical Applications in AFNR	Math
Statistics and Risk Management	Math

HQ and NCLB

- In order to teach the new CTE courses for academic credit, instructors must meet the highly qualified provisions under the federal No Child Left Behind Act.
- Under HOUSE rules, subject-matter competency is the critical component for CTE teachers teaching math, science, fine arts, or speech.
 - According to the law, this can be demonstrated through:
 - coursework,
 - passing a certification test,
 - or meeting HOUSE.

CTE and HQ

To review the teacher certification requirements for specific courses, please see the [Assignment of Public School Personnel, Part 1](#) found in 19 TAC §231.1(e).

Teachers assigned to teach the following courses must meet NCLB highly qualified requirements:

Business English	Engineering Design and Problem Solving
Principles and Elements of Floral Design	Food Science
Mathematical Application in Ag, Food and Natural Resources	Forensic Science
Statistics and Risk Management	Medical Microbiology
Advanced Quantitative Reasoning	Pathophysiology
Advanced Animal Science	Principles of Technology
Advanced Biotechnology	Scientific Research and Design
Advanced Plant and Soil Science	Professional Communications
Anatomy and Physiology	

CTE and HQ

- Please direct questions concerning NCLB highly qualified (including HOUSE rules) to NCLB staff at nclb@tea.state.tx.us or (512) 463-9374.
- Local districts are responsible for determining highly qualified status.



REGION XIII
EDUCATION SERVICE CENTER



Educator Certification Program for Career & Technical Education

CTE Certificates Offered by Region XIII Education Service Center

- Agricultural Science & Technology
- Business Education
- Family & Consumer Sciences
- Health Science Technology
- Marketing Education
- Math/Physical Science/Engineering
- Technology Education
- Trades & Industrial Education

Development of Original CTE Certification Program (2002)

- Started with a grassroots effort
- Advisory group meeting
 - CTE Directors
 - Community College Representatives
 - Teacher Educators
 - CTE Teachers
 - Education Service Center Staff

Outcome of Advisory Meetings

- Bottom Line...Districts want options for their CTE teachers to acquire quality certification
 - Streamlined certification process
 - Flexibility to hire CTE teachers late
 - Current, relevant, flexible, responsive program
 - Multiple support systems for new CTE teachers
 - Quality business/industry professionals in classrooms who not only know content, but know how to teach kids

National Level Research showed...

- Alternative forms of certification are popular, but must be quality teacher training
- CTE Teachers Need:
 - Special education training
 - Contacts with business and industry
 - Partnership-building techniques and strategies
 - Ability to create environments for students to problem-solve
 - Critical-thinking and questioning techniques
 - Ability to use ongoing student assessment
 - Training on diverse learning styles

National Level Research

- What helps to develop an effective CTE Teacher:
 - Master teachers as mentors for new teachers
 - Observations of other teachers
 - Classroom management techniques
 - Administrators who recognize 1st year teacher issues
 - Involvement in professional associations
 - Participation in student organization tied to content
 - Certification program that is application-based, not theory-based
 - Respect in the education community

“Alternative Certification”

- A post-Baccalaureate* *certification* program that utilizes an *alternative route* from the more *traditional* experience to achieve certification
 - The *same certificate* (standard certificate), not an alternative or emergency certificate.
 - A performance and field-based preparation model.
- Allows you to teach anywhere in Texas after you are certified

* Non-degreed option available for TIE

TAC Chapter 228

Texas Administrative Code

- **TITLE 19** EDUCATION
- **PART 7** STATE BOARD FOR EDUCATOR CERTIFICATION
- **CHAPTER 228** REQUIREMENTS FOR EDUCATOR PREPARATION PROGRAMS

TAC Chapter 228

- Curriculum

-  – 17 required subject matters

- Preparation Program Coursework and/or Training

- 300* clock-hours including:



- Embedded field-based experience
 - 80 hours of training prior to internship
 - 6 hours of test preparation
 - 50 hours of training provided by district or other TEA approved CEU provider

* Late-Hire clause included

Region XIII CTE-ECP is...

- Rigorous
- Faster to complete
(takes one school year)
- Application-based



Why Region XIII Program?

- Supportive environment with multiple support systems in place for success
- Excellent track record and reputation with school districts
- Most teachers complete program in less than one year
- Model follows school year; instruction is provided at time needed
- Mixed class of all seven CTE areas; multiple levels of teacher experience
- Program cost is affordable
- Blended approach with online and face-to-face

Why Region XIII Program?

- Excellent pass rate on state exams
- Application-based program—no “busy work”
- Testimonials from former participants, administrators, CTE Directors
- Success of our participants in program and from follow-up
 - CTE administrators, dept. heads, national recognition
- Training available in broad area of state
- Payroll deduction

Region XIII CTE-ECP

Current distance-learning sites:

Amarillo

El Paso

Lubbock

San Angelo

Midland

San Antonio

Rio Grande Valley



Denton

Mt. Pleasant

Abilene

East Houston

Huntsville

Beaumont

Austin site will be face-to-face

Distance-Learning CTE Cohort

- Region XIII CTE Specialists will deliver instruction via two-way videoconference to teachers at distance sites
- On-site CTE facilitators will assist with preparation for class and activities during sessions
- Deadline = September 1

Our CTE Program Process

- Employed by School (public, private, or charter)
- Application to CTE-ECP Program
- Pre-Service Training (Boot Camp orientation)
- Internship Training (ongoing during school year)
- Recommendation for Certification

Curriculum Design

- Aligned to CTE teacher and program standards
- Aligned to SBEC PPR teacher standards
- Relevant, application-based
- Face-to-face class sessions
- Virtual class sessions
- 8 online PPR prep course modules



- *Note: This certification process is not designed to apply toward college credits or a degree*

Training

(Based on CTE teacher standards)

Focus Areas:

- Standard 1: **Planning for Instruction**
 - TEKS and Curriculum Design
 - Lesson Design
 - Student Growth and Development
- Standard 2: **Classroom Environment**
 - Student Behavior and Classroom Management
 - Culture of Learning and High Expectations
- Standard 3: **Instruction and Delivery**
 - Effective Instructional Strategies
 - Assessment
- Standard 4: **Professionalism**
 - Communication with Stakeholders

TEGES PPR Standards

DOMAIN I:

The teacher designs instruction appropriate for all students that reflects an understanding of relevant content and is based on continuous and appropriate assessment

DOMAIN II:

The teacher creates a classroom environment of respect and rapport that fosters a positive climate for learning, equity, and excellence

DOMAIN IV:

The teacher fulfills professional roles and responsibilities and adheres to legal and ethical requirements of the profession

DOMAIN III:

The teacher promotes student learning by providing responsive instruction that makes use of effective communication techniques, instructional strategies that actively engage students in the learning process, and timely, high-quality feedback

Region XIII ECP Curriculum

COURSE 1:

**Instructional
Design**

COURSE 2:

**Classroom
Environment**

COURSE 4:

Professionalism

COURSE 3:

**Instructional
Delivery**

Training

Focus Areas:

- Standard 5: Work-Based Learning
 - Connecting Classroom to Work
 - WBL Program Development and Documentation

- Standard 6: Relationships
 - Advisory Committees, Tech-Prep, Business/Industry

- Standard 7: Entrepreneurship
 - Students as Entrepreneurs
 - Marketing CTE Programs
 - Entrepreneurial Activities in CTE Programs

Training

Focus Areas:

- Standard 8: Student Employability
 - Workplace and Career Dynamics
- Standard 9: Leadership
 - Student Organizations in CTE Programs
 - BPA, DECA, FBLA, FCCLA, FFA, HOSA, SkillsUSA, TSA
- Standard 10: Technology
 - Technology as a Tool for Learning
- Standard 11: Professional Development
 - Professional Organizations for CTE Teachers
 - Resources
 - “Teaching Tools”



During the Internship

- Ongoing Professional Development
 - Meet about twice a month (Tues. evening with occasional Saturdays)
 - Once face-to-face
 - Once in online “virtual classroom”
- Assessment
 - Performance tasks
 - Certification exams as required by SBEC
 - Campus appraisal (PDAS or alternative)
 - Principal recommendation

Support Systems

- **Mentor Support:**
 - Trained campus mentor paid by Region XIII
- **Field Support:**
 - Five meetings/observations; discussion and feedback
- **CTE Student Organization Support**

Schedule Dynamics

- July 25 – Aug 6:** Austin Orientation ...attend in Austin at Region XIII
Distance Orientation...attend at distance site
- » Program Overview and Expectations
 - » Application-based techniques in the areas of Classroom Management, Lesson Planning, and Instructional Delivery
- Sept. 7-10:** Late-Hire Orientation... in Austin or at Distance site
- Sept. - June:** Face-to Face/ Online Classroom Training Sessions
Online Instructional Modules
- » Instructional Design, Instructional Delivery, Classroom Management and Professionalism
 - » Specific CTE Program Content
 - » State Assessments Preparation
- May - July:** Recommendation for Certification
- Summer:** CTE Professional Development Conferences

Program Fees

(Payable to Region XIII)

<u>Cost for interns in Austin-area cohort:</u>	<u>Cost for interns in Statewide cohort:</u>
Application Fee , due at time of application: \$75	Application Fee , due at time of application: \$75
Pre-Service Fee, due at “Boot Camp” registration: \$300	Pre-Service Fee, due at “Boot Camp” registration: \$300
In-Service/ Training Fee (payroll deduction available): \$4620	In-Service/ Training Fee (payroll deduction available): \$3120
Region 13 Area Scholarship: - \$2000	No Scholarship available
Extended service fee (if applicable): \$500	Extended service fee (depending on location): \$500- \$700
Total cost to Austin participants: \$2995- \$3495	Total cost to Statewide participants: \$3995 - \$4195

Program Fees

(Payable to Other Entities)

- Probationary Certificate this summer
- Criminal History Check this summer
- State Exam(s) during school year
- Standard Certificate next summer

Academic Requirements



- Degree (minimum of Bachelor's degree for all except Trades & Industrial Education)
 - Non-degreed option for Trades & Industrial Education
- Coursework or degree that ties to teaching assignment
- 2.5 GPA

SBEC Requirements for Certification



Agricultural Science & Technology

- Bachelor's degree required
- 2.5 GPA (or 2.5 in last 60 hours)
- Certification Exams:
#172 Agricultural Science & Technology
and
#130 PPR (8-12) or #160 PPR (EC-12)
- No wage-earning experience required



Agriculture: Could teach a combination of courses, such as...

- Principles of Ag
- Ag Mechanics & Metal Technologies
- Horticulture
- Animal Science
- Wildlife Management
- Agribusiness
- Veterinary Medical Applications
- Career Preparation



Common degrees: Agricultural Science, Animal Science, Horticulture, Agribusiness.

SBEC Requirements for Certification



Business Education

- Bachelor's degree required with at least 15 hours of Business related coursework
- 2.5 GPA (or 2.5 in last 60 hours)
- Certification Exams:
 - #176 Business Education
 - and
 - #130 PPR 8-12 or #160 PPR EC-12
- No wage-earning experience required



Business: Could teach a combination of courses, such as...

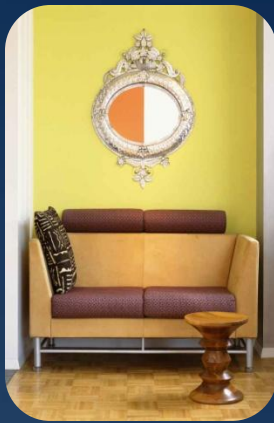
- Accounting
- Business Information Management
- Business Law
- Banking & Financial Services
- Information Technology
- Web Technology
- Computer Programming
- Career Preparation



Common degrees: MBA, Business Administration, International Business, Accounting, Information Technology, Finance.

SBEC Requirements for Certification

Family & Consumer Sciences



- Bachelor's degree required in related field
- 2.5 GPA (or 2.5 in last 60 hours)
- Certification Exams:
 - #130 PPR (8-12) or #160 PPR (EC-12)
 - and
 - #200 FCS Composite (6-12) OR
 - #201 FCS Hospitality, Nutr. & Food Sci.
 - OR
 - #202 FCS Human Devt. & Family Stud.
- No wage-earning experience required

Family & Consumer Science: Could teach a combination of courses, such as...

- Interior Design
- Fashion Design
- Education and Training
- Human Growth & Development
- Hospitality
- Culinary Arts
- Dollars and Sense
- Child Development & Guidance
- Family & Community Services
- Career Preparation



Common degrees: Family & Consumer Science, Nutrition, Dietetics, Restaurant and Hotel Management, Early Childhood.

SBEC Requirements for Certification

Technology Education

Bachelor's degree required (Industrial Technology, Industrial Arts, Engineering preferred)

- 2.5 GPA (or 2.5 in last 60 hours)
- Certification exams:
 - #171 Technology Education (6-12)
and
 - #130 PPR 8-12 or #160 PPR EC-12
- No wage-earning experience required



Technology Education: Could teach a combination of courses, such as...

- Engineering
- Principles of Architecture & Construction
- Construction Mgmt./Technology
- Biotechnology
- Electronics
- Robotics
- Manufacturing
- Computer Programming
- Web Technologies



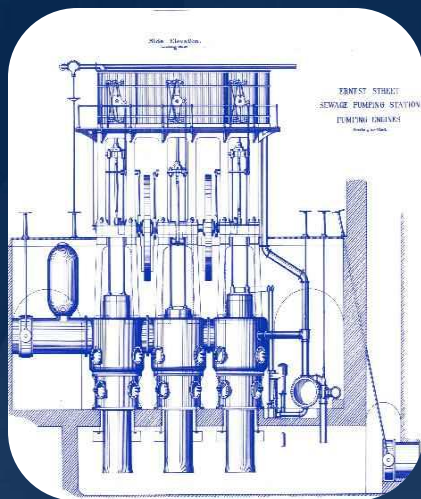
Common degrees: Engineering, Industrial Technology, Industrial Arts.

SBEC Requirements for Certification

Math/Physical Science/Engineering



Bachelor's degree required (Engineering preferred) with at least 12 credits of Engineering related coursework, 9 credits of Math, 6 credits of Chemistry, 6 credits of Physics and at least 3 additional credits in any of the areas listed.



- 2.5 GPA (or 2.5 in last 60 hours)
- Certification exams:
 - #174 Math/Physical Science/Eng (6-12)
 - and
 - #130 PPR 8-12 or #160 PPR EC-12
- No wage-earning experience required

Math/Physical Science/Engineering

- Eligible to teach...
 - All Math in Grades 8-12
 - Science in Grade 8
 - All Physics and Chemistry Grades 9-12
 - All Technology Education courses, including Principles of Technology I and II, in Grades 8-12.



Common degrees: Engineering.

Region XIII SOQ Evaluation Criteria

- Three CTE certifications require work experience to be documented on SOQ:
 - Health Science Technology (8-12)
 - Marketing Education (8-12)
 - Trades & Industrial Education (8-12)
- These require a “Statement of Qualifications” in addition to application.

SBEC Requirements for Certification

Marketing Education

- Bachelor's degree required with (6 credits) marketing
- 2.5 GPA (or 2.5 in last 60 hours)
- Certification Exams:
 - #175 Marketing Education
and
 - #130 PPR 8-12 or #160 PPR EC-12
- Two years of wage-earning experience in Marketing Field



Marketing: Could teach a combination of courses, such as...

- Entrepreneurship
- Advertising & Sales
- Retailing
- Marketing Dynamics
- Sports & Entertainment Marketing
- Career Preparation



Common degrees: Marketing, Retailing, Merchandising, Advertising with approved work experience required.

SBEC Requirements for Certification



Health Science Education

- Bachelor's degree required
- 2.5 GPA (or 2.5 in last 60 hours)

- Certification Exams:

#173 Health Science Technology
and

#130 PPR 8-12 or #160 PPR EC-12

- Two years wage-earning experience in health agency utilizing licensure
- Current licensure, certification, or registration by a nationally recognized agency as a health professions practitioner based on at least two years of formal education



Health Science Technology: Could teach a combination of courses, such as...

- Medical Terminology
- Health Science
- Anatomy and Physiology
- Pathophysiology
- Medical Microbiology
- World Health Research
- Career Preparation



Common degrees: BSN, RN, MD, Pharmacy with approved work experience and license required.

SBEC Requirements for Certification


Trades and Industrial Education

- Certification Exam: #170 TIE-PPR
- Wage-earning experience required:
 - **Option I:** Bachelor's degree, three years of full-time wage-earning experience within the past eight years
 - **Option II:** Associate's degree, three years of full-time wage-earning experience within the past eight years
 - **Option III:** High school diploma or equivalent, five years of full time wage-earning experience within the past eight years



Trades & Industrial Educations: Includes approval areas, such as...

- Media Technology
- Criminal Justice
- Culinary Arts
- Cosmetology
- Auto Technology
- Building Trades
- Welding
- Computer Maintenance



Common degrees: Varied with non-degreed option available. Approved work experience and license* required. (*License takes the place of the content exam and while preferred, is not required for acceptance. It may be obtained during the program before Standard certificate is granted.)

SBEC Requirements for Certification

- **Trades and Industrial Education...
Cosmetology**
 - Cosmetology teachers must have:



- 3 years of full-time wage-earning experience as licensed cosmetologist
- Hold current cosmetology instructor's license used by Texas Cosmetology Commission

What If You Don't Meet SBEC's Requirements?

- Work Experience
 - Apply after work experience requirements are met
- Coursework
 - Take additional coursework, may be done during internship year prior to recommendation for certification
- Degree
 - May not be necessary for Trades & Industrial Ed.
 - Conditional admission for others**

** Conditional admission is ONLY available for applicants graduating prior to the start of the program (ex. summer, not December)

Next Steps

- Complete CTE-ECP application process
 - Apply at www.esc13.net/cte
 - Submit SOQ form, if applicable
 - Provide copies of transcripts, if applicable
 - Submit \$ 75.00 application fee and recommendation forms
 - You'll receive an Approval Form once your documentation has been reviewed

Next Steps

- Secure a CTE teaching position
 - Try www.tasanet.org and district websites
- Have employing school confirm employment and specific CTE teaching assignment

For More Information...
<http://www.esc13.net/cte>

Click “CTE Certification”

512.919.5366



Those who can, do.
Those who believe others can too, teach!

Questions?

