

CTE Teacher Certification

October 4, 2013

There is no single certificate called a “CTE Certificate.” The certificate areas that fall under Career & Technical Education are:

- **Agriculture, Food, and Natural Resources 6-12**
 - Older certificates include Agricultural Science and Technology, Vocational Agriculture
 - No work experience required for initial certification
 - Certification by exam available for certified teachers who wish to add it to their certificate

- **Business/Finance 6-12**
 - Older certificates include Business Education, Office Education
 - No work experience required for initial certification
 - Certification by exam available for certified teachers who wish to add it to their certificate

- **Family and Consumer Sciences 6-12**
 - Three options: Composite, Human Development & Family Studies, and Hospitality, Nutrition & Food Science
 - Older certificates include Vocational Home Economics, Homemaking
 - No work experience required for initial certification
 - Certification by exam available for certified teachers who wish to add it to their certificate

- **Math/Physical Science/Engineering 6-12**
 - Can teach all math courses, the physical science courses and all Technology Education courses
 - No work experience required for initial certification
 - Certification by exam available for certified teachers who wish to add it to their certificate

- **Technology Education 6-12**
 - Older certificates include Secondary Industrial Arts, Secondary Industrial Technology
 - No work experience required for initial certification
 - Certification by exam available for certified teachers who wish to add it to their certificate

- **Marketing: 6-12**
 - Older certificates include Marketing Education, Distributive Education
 - 2 years of work experience required
 - Must complete a Statement of Qualifications form and have it approved in order to add by examination

- **Health Science: 6-12**
 - Older certificates include Health Science Technology Education, Vocational Health Occupations
 - 2 years of work experience required using license or registration as a healthcare professional that took at least two years to earn
 - Must complete a Statement of Qualifications AND complete an educator preparation program
 - Not available for certification by exam, even if a teacher is already certified

- **Trade and Industrial Education: 6-12**
 - Older certificates include Vocational Trades and Industry
 - 3 years of work experience within the past 8 years required with an Associate or Bachelor’s degree
 - 5 years of work experience within the past 8 years required with a high school diploma or equivalent
 - All TIE teachers must have industry recognized license or credential to obtain standard certificate
 - Must complete a Statement of Qualifications AND complete an educator preparation program
 - Not available for certification by exam, even if a teacher is already certified

Recognition of creditable years of service information for Marketing, Health Science and Trade and Industrial Education teachers:

TAC §153.1022

- (i) Credit for career and technology teachers. In accordance with TEC, §21.403, effective with the 1982-1983 school year, certified career and technology education teachers employed for at least 50% of the time in an approved career and technology position may count up to two years of work experience for salary increment purposes if the work experience was required for career and technology certification.
 - (1) For purposes of this section, an emergency teaching permit shall be the equivalent of a teaching certificate.
 - (2) Once credit for work experience has been granted, the credit shall be continued regardless of the position held. For personnel granted credit under this section whose employment is split between career and technology and non-career and technology positions, the years granted shall apply to both the career and technology and the non-career and technology positions.

TEC §21.403

- (b) For each year of work experience required for certification in a career or technological field, up to a maximum of two years, a certified career or technology education teacher is entitled to salary step credit as if the work experience were teaching experience.

Teachers of the following courses must meet **NCLB highly qualified** requirements:

- Advanced Animal Science
- Advanced Biotechnology
- Advanced Plant and Soil Science
- Advanced Quantitative Reasoning
- Anatomy and Physiology
- Business English
- Engineering Design and Problem Solving
- Food Science
- Forensic Science
- Mathematical Application in Ag, Food and Natural Resources
- Medical Microbiology
- Pathophysiology
- Principles and Elements of Floral Design
- Principles of Technology
- Scientific Research and Design
- Statistics and Risk Management
- The following summarizes additional decisions made by the State Board of Education (SBOE) at the meeting held September 17-20, 2013 regarding courses that will count for math or science credit:

- Preliminary approval for Principles of Engineering to satisfy science credit. Science process TEKS were added. Would apply to this year's freshmen, sophomores and juniors and until the current MHSP, RHSP and DAP expire. Public comment is pending.
- Preliminary approval for Digital Electronics to satisfy math credit. Would apply to this year's freshmen, sophomores and juniors and until the current MHSP, RHSP and DAP expire. Public comment is pending.
- Approved Discrete Mathematics for Problem Solving to satisfy math credit. This course was previously listed as innovative and was called Discrete Mathematics.
- Approved Discrete Mathematics for Computer Science to satisfy math credit. This Technical Applications course was previously called Discrete Mathematics
 - Join CTAT to receive updates! <http://www.ctat.org/join/>

According to 19 TAC §231.1(e), the following courses require Texas Education Agency (TEA)-approved training prior to teaching. Courses are available on **Project Share**.

“All teachers assigned to this course shall participate in Texas Education Agency (TEA)-approved training prior to teaching this course effective with the 2013-2014 school year. Teachers assigned to this course in the 2010-2011, 2011-2012, and/or 2012-2013 school year will have 12 months from the date the training is first offered to complete the TEA-approved training requirement.”

- Advanced Animal Science*
- Advanced Biotechnology*
- Advanced Plant and Soil Science*
- Engineering Design and Problem Solving**
- Engineering Mathematics*
- Food Science*
- Forensic Science*
- Mathematical Applications in Agriculture, Food, and Natural Resources*
- Statistics and Risk Management*

According to 19 TAC §231.1(e), the following courses require appropriate **training in state and federal requirements regarding work-based learning and safety**:

“The school district is responsible for ensuring that each teacher assigned to this course has completed appropriate training in state and federal requirements regarding work-based learning and safety.”

- Career Preparation I*
- Career Preparation II*
- Practicum in Agriculture, Food, and Natural Resources*
- Practicum in Architectural Design*
- Practicum in Audio Video Production*
- Practicum in Business Management*
- Practicum in Construction Management*
- Practicum in Culinary Arts*
- Practicum in Education and Training*
- Practicum in Fashion Design*
- Practicum in Graphic Design and Illustration*
- Practicum in Health Science*
- Practicum in Hospitality and Tourism*
- Practicum in Human Services*
- Practicum in Interior Design*
- Practicum in Law, Public, Safety, Corrections and Security*
- Practicum in Local, State, and Federal Government*
- Practicum in Manufacturing*
- Practicum in Marketing Dynamics*
- Practicum in Printing and Imaging Technology*
- Practicum in Science, Technology, Engineering, and Mathematics*
- Practicum in Transportation, Distribution, and Logistics*

According to 19 TAC §231.1(e), the following **CTE courses may be taught by a non-CTE certified teacher**. Please see Chapter 231 for specific certificates allowed.

- Advanced Animal Science*
- Advanced Animation
- Advanced Audio Video Production
- Advanced Biotechnology*
- Advanced Computer Programming
- Advanced Graphic Design and Illustration
- Advanced Plant and Soil Science*
- Anatomy and Physiology
- Animation
- Business English
- Computer Programming
- Computer Technician
- Digital and Interactive Media
- Engineering Design and Problem Solving**
- Engineering Mathematics*
- Food Science*
- Foreign Service and Diplomacy
- Forensic Science*
- Graphic Design and Illustration
- Mathematical Applications in Agriculture, Food, and Natural Resources*
- Medical Microbiology
- Pathophysiology
- Planning and Governance
- Political Science I
- Political Science II
- Practicum in Local, State, and Federal Government*
- Principles and Elements of Floral Design
- Principles of Government and Public Administration
- Principles of Technology*
- Professional Communications
- Public Management and Administration
- Revenue, Taxation, and Regulation
- Scientific Research and Design
- Statistics and Risk Management*
- Web Technologies

The current version of 19 TAC §231.1(e) can be found at

http://www.tea.state.tx.us/index2.aspx?id=5830&menu_id=865&menu_id2=794

(or by going to <http://tinyurl.com/Chapter231> or visiting this QR code)

