

**DEPARTMENT OF EDUCATION**  
**PROFESSIONAL STANDARDS BOARD**

Statutory Authority: 14 Delaware Code, Section 1205(b) (14 **Del.C.** §1205(b))  
14 **DE Admin. Code** 1557

**PROPOSED**

**Educational Impact Analysis Pursuant To 14 Del.C. Section 122(d)**

**1557 Technology Education Teacher**

**A. Type of Regulatory Action Requested**

Amendment to Existing Regulation

**B. Synopsis of Subject Matter of Regulation**

The Professional Standards Board, acting in cooperation and collaboration with the Department of Education, seeks the consent of the State Board of Education to amend regulation **DE Admin. Code** 1557 Technology Education Teacher. The regulation concerns the requirements for certification of educational personnel, pursuant to 14 **Del.C.** §1220(a). This Career and Technical Education regulation is being amended to reflect the currently accepted certification regulation language and abbreviated format. This regulation sets forth the requirements for a Technology Education Teacher.

Persons wishing to present their views regarding this matter may do so in writing by the close of business on Monday May 5, 2008 to Mr. Charlie Michels, Executive Director, Delaware Professional Standards Board, The Townsend Building, 401 Federal Street, Dover, Delaware 19901. Copies of this regulation are available from the above address or may be viewed at the Professional Standards Board Business Office.

**C. Impact Criteria**

1. Will the amended regulation help improve student achievement as measured against state achievement standards? The amended regulation addresses student achievement by establishing standards for the issuance of a standard certificate to educators who have acquired the prescribed knowledge, skill and/or education to practice in a particular area, to teach a particular subject or to instruct a particular category of students to help ensure that students are instructed by educators who are highly qualified.

2. Will the amended regulation help ensure that all students receive an equitable education? The amended regulation helps to ensure that all teachers employed to teach students meet high standards and have acquired the prescribed knowledge, skill and/or education to practice in a particular area, to teach a particular subject or to instruct a particular category of students.

3. Will the amended regulation help to ensure that all students' health and safety are adequately protected? The amended regulation addresses educator certification, not students' health and safety.

4. Will the amended regulation help to ensure that all students' legal rights are respected? The amended regulation addresses educator certification, not students' legal rights.

5. Will the amended regulation preserve the necessary authority and flexibility of decision-makers at the local board and school level? The amended regulation will preserve the necessary authority and flexibility of decision makers at the local board and school level.

6. Will the amended regulation place unnecessary reporting or administrative requirements or mandates upon decision makers at the local board and school levels? The amended regulation will not place unnecessary reporting or administrative requirements or mandates upon decision makers at the local board and school levels.

7. Will decision making authority and accountability for addressing the subject to be regulated be placed in the same entity? The decision-making authority and accountability for addressing the subject to be regulated rests with the Professional Standards Board, in collaboration with the Department of Education, and with the consent of the State Board of Education.

8. Will the amended regulation be consistent with and not an impediment to the implementation of other state educational policies, in particular to state educational policies addressing achievement in the core

academic subjects of mathematics, science, language arts and social studies? The amended regulation will be consistent with, and not an impediment to, the implementation of other state educational policies, in particular to state educational policies addressing achievement in the core academic subjects of mathematics, science, language arts and social studies.

9. Is there a less burdensome method for addressing the purpose of the amended regulation? 14 Del.C. requires that we promulgate this regulation.

10. What is the cost to the state and to the local school boards of compliance with the adopted regulation? There is no additional cost to local school boards for compliance with the regulation.

## 1557 Technology Education Teacher

### 1.0 Content

1.1 This regulation shall apply to the requirements for a Standard Certificate, pursuant to 14 Del.C. §1220(a), for Technology Education Teacher (Grades K to 12).

### 2.0 Definitions

2.1 The following words and terms, when used in this regulation, shall have the following meaning unless the context clearly indicates otherwise:

“**Department**” means the Delaware Department of Education.

“**License**” means a credential which authorizes the holder to engage in the practice for which the license is issued.

“**Standard Certificate**” means a credential issued to certify that an educator has the prescribed knowledge, skill, or education to practice a particular area, teach a particular subject, or teach a category of students.

“**Standards Board**” means the Professional Standards Board established pursuant to 14 Del.C. §1201.

“**State Board**” means the State Board of Education of the State pursuant to 14 Del.C. §104.

### 3.0 Standard Certificate

In accordance with 14 Del.C. §1220(a), the Department shall issue a Standard Certificate as a Technology Education Teacher to an applicant who holds a valid Delaware Initial, Continuing, or Advanced License; or Standard or Professional Status Certificate issued by the Department prior to August 31, 2003, and who meets the following requirements:

3.1 A bachelor's degree from an NCATE specialty organization recognized educator preparation program offered by a regionally accredited college or university with a major in technology education; or

3.2 A bachelor's degree from a state approved educator preparation program offered by a regionally accredited college or university, with a major in technology education, where the state approval body employed the appropriate NASDTEC standards or NCATE specialty organization standards with a major in technology education; or

3.3 Passage of the appropriate PRAXIS™ II test approved by the Standards Board and the State Board in Technology Education; or

3.4 A bachelor's degree in any field from a regionally accredited college or university and completion of the semester hours indicated below from a regionally accredited college or university, taken either as part of a degree program or in addition to it:

3.4.1 A minimum of twenty four (24) semester hours in technology systems or equivalent areas, with a minimum of six (6) semester hours in each of the three areas listed below and an additional six (6) semester hours in any one of the areas listed below:

3.4.1.1 Communications (a minimum of six (6) semester hours):

3.4.1.1.1 Courses which contain the applications of communication technologies which compose, store, send, receive, and understand ideas and information.

3.4.1.2 Physical Technology Systems (a minimum of six (6) semester hours):

3.4.1.2.1 Production: Courses which contain the analysis of goals, inputs, processes, outputs, and feedback of manufacturing and construction systems.

3.4.1.2.2 Energy: Courses which contain the principles and applications of radiant and potential energy, fluid and mechanical power.

3.4.1.2.3 Transportation: Courses which contain concepts and applications of land, air, space, and sea transportation.

3.4.1.3 Bio-related (a minimum of six (6) semester hours):

3.4.1.3.1 Courses which contain techniques and methods for managing and retrofitting bio-related systems in existing and futuristic residential, commercial, and industrial environments; and

3.4.2 A minimum of twenty one (21) semester hours of pedagogy from a regionally accredited college or university, or equivalent in service courses approved by the Department, to include:

3.4.2.1 Human Development;

3.4.2.2 Methods and Strategies for Teaching Technology Education;

3.4.2.3 Identifying and Treating Exceptionalities;

3.4.2.4 Effective Teaching Strategies;

3.4.2.5 Multicultural Education;

3.4.2.6 Standards Based Technology Education in Delaware; and

3.4.2.7 Student Organizations.

**9 DE Reg. 547 (10/1/05)**

**Renumbered effective 6/1/07 - see Conversion Table**

## **1.0 Content**

1.1 This regulation shall apply to the issuance of a Standard Certificate, pursuant to 14 Del.C. §1220(a), for Technology Education Teacher. This certification is required for grades 9 to 12, and in grades 6 to 8 in a Middle Level school.

1.2 Except as otherwise provided, the requirements set forth in 14 DE Admin. Code 1505 Standard Certificate, including any subsequent amendment or revision thereto, are incorporated herein by reference.

## **2.0 Definitions**

2.1 The definitions set forth in 14 DE Admin. Code 1505 Standard Certificate, including any subsequent amendment or revision thereto, are incorporated herein by reference.

2.2 The following words and terms, when used in this regulation, shall have the following meaning unless the context clearly indicates otherwise:

“**Technology Education**” means a study of technology, which provides an opportunity for students to learn about the processes and knowledge related to technology that are needed to solve problems and extend human capabilities. This study includes the application of the Design Process, the Systems Model, technological resources, engineering design and Design Briefs.

## **3.0 Standard Certificate**

3.1 In accordance with 14 Del.C. §1220(a), the Department shall issue a Standard Certificate as a Technology Education Teacher to an educator who has met the following:

3.1.1 Holds a valid Delaware Initial, Continuing, or Advanced License; or a Limited Standard, Standard or Professional Status Certificate issued by the Department prior to August 31, 2003; and,

3.1.2 Has met the requirements as set forth in 14 DE Admin. Code 1505 Standard Certificate, including any subsequent amendment or revision thereto; and,

3.1.3 Has satisfied the additional requirements in this regulation.

## **4.0 Additional Requirements**

4.1 If an examination of content knowledge such as Praxis II is not applicable and available, in the area the Standard Certificate is requested, an educator must also meet the following:

4.1.1 If the educator is applying for their second Standard Certificate pursuant to 14 DE Admin. Code 1505 Standard Certificate 3.1.5, the satisfactory completion of fifteen (15) credits or their equivalent in professional development related to Technology Education, selected by the applicant with the approval of the employing school district or charter school which is submitted to the Department.

**9 DE Reg. 547 (10/1/05)**

**Renumbered effective 6/1/07 - see Conversion Table**

**11 DE Reg. 1313 (04/01/08) (Prop.)**