

**DEPARTMENT OF EDUCATION
PROFESSIONAL STANDARDS BOARD**

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

FINAL

Regulatory Implementing Order

1557 Technology Education Teacher

I. Summary of the Evidence and Information Submitted

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 14 **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.

Notice of the proposed amendment of the regulation was published in the News Journal on April 2, 2008 and the Delaware State News on April 3, 2008 in the form hereto attached as Exhibit "A". The notice invited written comments. No comments were received.

II. Findings of Facts

The Professional Standards Board and the State Board of Education find that it is appropriate to amend this regulation to comply with changes in statute.

III. Decision to Amend the Regulation

For the foregoing reasons, the Professional Standards Board and the State Board of Education conclude that it is appropriate to amend the regulation. Therefore, pursuant to 14 **Del.C.** §1205(b), the regulation attached hereto as Exhibit "B" is hereby amended. Pursuant to the provision of 14 **Del.C.** §122(e), the regulation hereby amended shall be in effect for a period of five years from the effective date of this order as set forth in Section V. below.

IV. Text and Citation

The text of the regulation amended shall be in the form attached hereto as Exhibit "B", and said regulation shall be cited as 14 **DE Admin.** Code 1557 of the Administrative Code of Regulations of the Department of Education.

V. Effective Date of Order

The effective date of this Order shall be ten (10) days from the date this Order is published in the *Delaware Register of Regulations*.

APPROVED BY THE PROFESSIONAL STANDARDS BOARD ON THE 1ST DAY OF MAY, 2008

Kathleen Thomas, Chair
Joanne Christian
Sandra Falatek
Barbara Grogg
Lori Hudson
Mary Mirabeau
Gretchen Pikus
Michael Thomas

Cathy Cathcart
Marilyn Dollard
Karen Gordon
Leslie Holden
Dorothy McQuaid
Wendy Murray
Karen Schilling-Ross
Carol Vukelich

FOR IMPLEMENTATION BY THE DEPARTMENT OF EDUCATION:

Valerie A. Woodruff, Secretary of Education

IT IS SO ORDERED THIS 15TH DAY OF MAY, 2008.

STATE BOARD OF EDUCATION

Jean W. Allen, President
Mary B. Graham, Esquire
Barbara Rutt
Dr. Terry M. Whittaker

Richard M. Farmer, Jr., Vice President
Jorge L. Melendez
Dennis J. Savage

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:~~

~~3.4.1A 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~~

~~3.4.2A 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. **[Technology Education is not a curricular area defined by the study and application of computer-based skills e.g., keyboarding, word processing, spreadsheets, data bases and/or multi-media presentations.]**

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)

11 DE Reg. 1654 (06/01/08) (Final)

Renumbered effective 6/1/07 - see Conversion Table