

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

Statutory Authority: 14 Delaware Code, Section 2901 (14 Del.C. §2901)  
14 DE Admin. Code 1543

**PROPOSED**

**Education Impact Analysis Pursuant to 14 Del.C. Section 122(d)**

**1543 Secondary Science 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 14 DE Admin. Code 1543 Secondary Science Teacher. This regulation concerns the requirements for certification of educational personnel, pursuant to 14 Del.C. §1220(a). It is necessary to amend this regulation in order to align it with the valid grade levels designated within the newly amended 14 DE Admin. Code 1533 Middle Level Science Teacher. This regulation sets forth the requirements for a Secondary Science Teacher.

Persons wishing to present their views regarding this matter may do so in writing by the close of business on Friday April 4, 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.

## 1543 Secondary Science Teacher

### 1.0 Content

This regulation shall apply to the requirements for a Standard Certificate, pursuant to **Del.C.** §1220(a), for Science Teacher Secondary (required for grades 9 to 12, and valid in a middle level school, grades 5 to 8). Certificates issued include Chemistry, Physics, Earth Science, Biology, Physical Science, and Integrated Science.

### 2.0 Definitions

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

**“Certification”** means the issuance of a certificate, which may occur regardless of a recipient's assignment or employment status.

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

**“Educator”** means a person licensed and certified by the State under 14 **Del.C.** §1202 to engage in the practice of instruction, administration or other related professional support services in Delaware public schools, including charter schools, pursuant to rules and regulations promulgated by the Standards Board and approved by the State Board. The term ‘educator’ does not include substitute teachers.

**“Examination of Content Knowledge”** means a standardized test which measures knowledge in a specific content area, such as PRAXIS™ II.

**“Fifteen (15) Credits or Their Equivalent in Professional Development”** means college credits or an equivalent number of hours, with one (1) credit equating to fifteen (15) hours, taken either as part of a degree program or apart from it, from a regionally accredited college or university or a professional development provider approved by the employing school district or charter school.

**“Immorality”** means conduct which is inconsistent with the rules and principles of morality expected of an educator and may reasonably be found to impair an educator's effectiveness by reason of his or her unfitness;

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

**“Major or Its Equivalent”** means a minimum of thirty (30) semester hours of course work in a particular content area. A major or its equivalent for eligibility for a Standard Certificate for Physical Science includes physics, chemistry, astronomy, space science, engineering, or a related field. A major or its equivalent in any science discipline or related field is acceptable for eligibility for a Standard Certificate for Integrated Science.

**“NASDTEC”** means The National Association of State Directors of Teacher Education and Certification. The organization represents professional standards boards, commissions and departments of education in all 50 states, the District of Columbia, the Department of Defense Dependent Schools, the U.S. Territories, New Zealand, and British Columbia, which are responsible for the preparation, licensure, and discipline of educational personnel.

**“NCATE”** means The National Council for Accreditation of Teacher Education, a national accrediting body for schools, colleges, and departments of education authorized by the U.S. Department of Education.

**“Science Discipline”** means those areas of science for which Delaware content standards have been established.

**“Standard Certificate”** means a credential issued to certify that an educator has the prescribed knowledge, skill, or education to practice in 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.~~

~~“Valid and Current License or Certificate from Another State” means a current full or permanent certificate or license issued by another state. It does not include temporary, emergency or expired certificates or licenses issued from another state.~~

~~10-DE-Reg. 100 (07/01/06)~~

### **3.0 Standard Certificate**

The Department shall issue the appropriate Standard Certificate as a Science Teacher in an established science discipline to an educator who 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 who has met the following requirements:

3.1 Acquired the prescribed knowledge, skill or education to practice in a particular area, to teach a particular subject or to instruct a particular category of students by:

3.1.1 Obtaining National Board for Professional Teaching Standards certification in the area, subject, or category for which a Standard Certificate is requested; or

3.1.2 Graduating from an NCATE specialty organization recognized educator preparation program or from a state approved educator preparation program, where the state approval body employed the appropriate NASDTEC or NCATE specialty organization standards, offered by a regionally accredited college or university, with a major or its equivalent in the science discipline for which a Standard Certificate is sought; or

3.1.3 Satisfactorily completing the Alternative Routes for Licensure and Certification Program, the Special Institute for Licensure and Certification, or such other alternative educator preparation programs as the Secretary may approve; or

3.1.4 Holding a bachelor's degree from a regionally accredited college or university in any content area and for applicants applying after June 30, 2006 for their first Standard Certificate, satisfactory completion of fifteen (15) credits or their equivalent in professional development related to their area of certification, of which at least six (6) credits or their equivalent must focus on pedagogy, selected by the applicant with the approval of the employing school district or charter school which is submitted to the Department; and

3.2 For applicants applying after December 31, 2005, where a Praxis™ II examination in the area of the Standard Certificate requested is applicable and available, achieving a passing score as established by the Standards Board, in consultation with the Department and with the concurrence of the State Board, on the examination; or

3.3 Meeting the requirements for licensure and holding a valid and current license or certificate from another state in the science discipline for which a Standard Certificate is sought;

3.3.1 The Department shall not act on an application for certification if the applicant is under official investigation by any state or local authority with the power to issue educator licenses or certifications, where the alleged conduct involves allegations of immorality, misconduct in office, incompetence, willful neglect of duty, disloyalty or falsification of credentials, until the applicant provides evidence of the investigation's resolution; or

3.4 Meeting the requirements for a Meritorious New Teacher Candidate Designation adopted pursuant to 14 Del.C. §1203.

~~10-DE-Reg. 100 (07/01/06)~~

### **4.0 Multiple Certificates**

Educators may hold certificates in more than one area.

~~6-DE-Reg. 319 (9/1/02)~~

~~7-DE-Reg. 775 (12/1/03)~~

~~8-DE-Reg. 1138 (2/1/05)~~

~~10-DE-Reg. 100 (07/01/06)~~

### **5.0 Application Requirements**

An applicant for a Standard Certificate shall submit:

5.1 Official transcripts; and

5.2 Official scores on the Praxis II examination if applicable and available; or

- 5.3 Evidence of passage of the National Board for Professional Teaching Standards Certificate, if applicable; or
- 5.4 An official copy of the out of state license or certification, if applicable.
- 5.5 If applied for simultaneously with application for an Initial License, the applicant shall provide all required documentation for that application in addition to the documentation cited above.

## **6.0 Application Procedures for License Holders**

If an applicant holds a valid Initial, Continuing, or Advanced Delaware License; or a Limited Standard, Standard or Professional Status Certificate issued prior to August 31, 2003 and is requesting additional Standard Certificates, only that documentation necessary to demonstrate acquisition of the prescribed knowledge, skill or education required for the additional Standard Certificate requested is required.

## **7.0 Effect of Regulation**

This regulation shall apply to all requests for issuance of a Standard Certificate, except as specifically addressed herein. Educators holding a Professional Status Certificate or a Standard Certificate issued on or before August 31, 2003 shall be issued a Continuing License upon the expiration of their current Professional Status Certificate or Standard Certificate. The Standard Certificate for each area in which they held a Professional Status Certificate or a Standard Certificate shall be listed on the Continuing License or the Advanced License. The Department shall also recognize a Limited Standard Certificate issued prior to August 31, 2003, provided that the educator successfully completes the requirements set forth in the prescription letter received with the Limited Standard Certificate. Requirements must be completed by the expiration date of the Limited Standard Certificate, but in no case later than December 31, 2008.

## **8.0 Validity of a Standard Certificate**

A Standard Certificate is valid regardless of the assignment or employment status of the holder of a certificate or certificates, and is not subject to renewal. It shall be revoked in the event the educator's Initial, Continuing, or Advanced License or Limited Standard, Standard, or Professional Status Certificate is revoked in accordance with 14 ~~DE Admin. Code~~ 1514. An educator whose license or certificate is revoked is entitled to a full and fair hearing before the Professional Standards Board. Hearings shall be conducted in accordance with the Standards Board's Hearing Procedures and Rules.

## **9.0 Secretary of Education Review**

The Secretary of Education may, upon the written request of the superintendent of a local school district or charter school administrator or other employing authority, review credentials submitted in application for a Standard Certificate on an individual basis and grant a Standard Certificate to an applicant who otherwise does not meet the requirements for a Standard Certificate, but whose effectiveness is documented by the local school district or charter school administrator or other employing authority.

~~6-DE Reg. 319 (9/1/02)~~

~~7-DE Reg. 775 (12/1/03)~~

~~8-DE Reg. 1138 (2/1/05)~~

~~10-DE Reg. 100 (07/01/06)~~

~~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 Secondary Science Teacher. This certification is required for grades 9 to 12 and is valid in a Middle Level school, grades 6 to 8. Certificates issued include Biology, Chemistry, Earth Science, Integrated Science, Physical Science, and Physics.

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:

“Major or Its Equivalent” means a minimum of thirty (30) semester hours of course work in a particular content area. A major or its equivalent for eligibility for a Standard Certificate for Physical Science includes physics, chemistry, astronomy, space science, engineering, or a related field. A major or its equivalent in any science discipline or related field is acceptable for eligibility for a Standard Certificate for Integrated Science.

### **3.0 Standard Certificate**

3.1 In accordance with 14 **Del.C.** §1220(a), the Department shall issue a Standard Certificate as a Secondary Science 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.

**6 DE Reg. 319 (9/1/02)**

**7 DE Reg. 775 (12/1/03)**

**8 DE Reg. 1138 (2/1/05)**

**10 DE Reg. 100 (07/01/06)**

**11 DE Reg. 1181 (03/01/08) (Prop.)**

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