MARYLAND STATE DEPARTMENT OF EDUCATION
Preparing World-Class Students

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TO: Members of the State Board of Education

FROM: Bernard J. Sadusky, Ed.D. BJS

DATE: December 6, 2011

SUBJECT: COMAR 13A12.02.07, Data Processing (Grades 7-12)
COMAR13A.12.02.09, Family and Consumer Sciences/Technology Ed. (Grades 7-12)
COMAR 13A.12.02.10, Health Occupations (Grades 7-12)
COMAR 13A.12.02.11, Marketing Education, Teacher Coordinator (Grades 7-12)
REPEAL

COMAR13A.12.02.15, Trades and Industry (Grades 7-12)
AMEND
PERMISSION TO PUBLISH

PURPOSE:

The purpose of this memo is three-fold: 1.) to recommend the repeal of specific teacher certification areas; 2.) to recommend amendments to COMAR13A.12.02.15, Trades and Industry; and 3.) to provide an opportunity to convene a Joint Conference Committee should you so desire.

BACKGROUND INFORMATION:

At the direction of the Professional Standards and Teacher Education Board (PSTEB), staff in the Division of Career and College Readiness (DCCR) convened a workgroup whose members included local Directors of Career and Technology Education, principals of Career and Technology Education Centers, local school system human resource personnel, and representatives from higher education teacher preparation programs. The DCCR staff presented the recommendations from the workgroup at the September 1, 2011 meeting of the PSTEB and subsequently presented proposed regulatory changes.

A strong rationale was presented for the proposed changes:

- The growth and changes in Career and Technical Education (CTE) has grown over the past twenty (20) years;
- Upgrades to CTE programs of study to offer rigorous, relevant content that prepares students for both college and careers; and
- Emphasis in CTE programs on high-skill, high-wage, high-demand careers in existing and emerging professions including careers related to Science, Technology, Engineering, and Mathematics (STEM). Maryland's CTE programs of study incorporate rigorous and challenging technical and academic content standards.

In addition to repealing specific CTE related certification areas, namely, Data processing , Family and Consumer Sciences/Technology Education, and Marketing Education-Teacher Coordinator), the proposed changes include:

- Contemporizing the name of the existing certification area;
- Eliminating the experience requirement for an applicant whose preparation was from an approved program in career and technical education;
- Eliminating references to degrees in outdated areas;
- Reducing the number of years in the career area to meet the occupational experience requirement;
- Accepting a Department-approved, industry recognized certification for one year of the occupational experience;
- Customizing the professional education course work to the specific group of applicants; and
- Recognizing the governance of State licensure and regulatory authorities over the career area to be taught.

At its October 6, 2011 meeting, the PSTEB granted permission to publish the proposed regulatory changes.

SUMMARY:

The DCCR convened a workgroup of key constituents to discuss and recommend changes to certification areas related to Career and Technical Education. Proposed changes include repealing certain existing regulations and revising the Trades and Industry regulation include a name change, revised professional education course, and changes in the occupational experience requirement.

ACTION:

I am presenting these items for information and to provide an opportunity to convene a Joint conference Committee if you should so desire.

BJS: jes
Attachments

ATTACHMENT 1

13A.12.02.07 REPEAL

[.07 Data Processing (Business) (Grades 7—12).

A. To receive certification in data processing (business) (grades 7—12), the applicant shall meet one of the following options:

(1) Option I: The applicant shall meet the requirements for certification in business education and complete 9 additional semester hours of content course work taken at an IHE to include:

(a) Business computer programming language, 3 semester hours; and

(b) Electives in data processing/computer science, 6 semester hours; or

(2) Option II: The applicant shall:

(a) Complete a minimum of 2 years of acceptable college study at an IHE leading to an associate or bachelor's degree;

(b) Have a minimum of 6 semester hours in accounting course work taken at an IHE which may be a part of the 2-year program;

(c) Have 2 years data processing experience related to the programs to be taught; and

(d) Have 18 semester hours of professional education course work taken at an IHE with at least one course each in subparagraphs (i)—(v) of this paragraph and the remaining course work from among subparagraphs (vi)—(viii) of this paragraph:

(i) Methods of teaching business subjects or methods of teaching vocational-industrial subjects;

(ii) Psychological foundations of education;

(iii) Principles of business education or principles of vocational education;

(iv) Tests and measurements;

(v) Audiovisual aids;

(vi) Curriculum development;

(vii) Foundations of education; and

(viii) Vocational guidance.

B. Experience. A year of successful teaching experience in data processing is required for an applicant who has not completed student teaching.]

13A.12.02.09 REPEAL

[.09 Family and Consumer Sciences/Career Technology Education (Grades 7—12).

To receive certification in family and consumer sciences/career technology education (grades 7—12), the applicant shall meet one of the following options:

A. Option I:

(1) Meet the requirements for certification in family and consumer sciences;

(2) Complete 12 semester hours of course work taken at an IHE in the subject area to be taught such as foods, clothing, and child development;

(3) For child development laboratory teachers, complete 3 semester hours in a course taken at an IHE offering directed experience with organized groups of preschool children; and

(4) Complete one of the following:

(a) Obtain 1 year or 2,000 hours of work experience related to the subject to be taught; or

(b) An appropriate teacher education program, 3 semester hours of which has as a regular part of its curriculum a supervised work experience;

B. Option II:

(1) Earn a bachelor's degree from an IHE with a major in the subject area to be taught, such as institutional administration, foods, clothing and textiles, child development, and early childhood education;

(2) Meet the professional education course work required in Regulation .06A(2) of this chapter;

(3) For child development laboratory teachers, complete 3 semester hours in a course taken at an IHE offering directed experience with organized groups of preschool children; and

(4) Complete one of the following:

(a) 1 year or 2,000 hours of work experience related to the subject to be taught; or

(b) An appropriate teacher education program, 3 semester hours of which has as a regular part of its curriculum a supervised work experience; or

C. Option III: An applicant for certification as a teacher in food service or clothing services shall:

(1) Hold a high school diploma or the equivalent;

(2) Have 18 semester hours of approved professional course work in trades and industry as required in Regulation .15B of this chapter; and

(3) Complete 5 years work experience related to the subject to be taught.]

13A.12.02.10 REPEAL

[.10 Health Occupations Education (Grades 7—12).

A. Other Regulations. Teachers of health occupations education (grades 7—12) shall:

(1) Be governed by current licensure, certification, or registration and regulations administered by professional organizations or legally constituted authorities in the State; and

(2) Meet the requirements of this regulation.

B. Certification Options. The options for certification in health occupations education (grades 7—12) are:

(1) Option I. The applicant shall have:

(a) A bachelor's degree from an IHE with a major in the occupational area to be taught; and

(b) 18 semester hours of professional education course work as required in §C of this regulation;

(2) Option II. The applicant shall have:

(a) An associate degree from an IHE in the occupational area to be taught or a diploma in nursing from an approved professional nursing program;

(b) 18 semester hours of professional education course work as required in §C of this regulation; and

(c) 2 years of approved occupational experience related to the program to be taught;

(3) Option III. The applicant shall have:

(a) A high school diploma or the equivalent;

(b) 18 semester hours of professional education course work as required in §C of this regulation; and

(c) 5 years of approved occupational experience related to the program to be taught.

C. Professional Education Courses. The applicant shall complete a planned program of 18 semester hours in professional education course work taken at an IHE, including:

(1) 6 semester hours in foundations of education, including a course in psychological foundations of education;

(2) 3 semester hours in materials and methods in the occupation to be taught;

(3) 3 semester hours in principles of curriculum development;

(4) 6 semester hours from among the following areas:

(a) Training aids development or audiovisual education;

(b) Education measurement;

(c) Principles of personnel management;

(d) Principles of management in a nursing unit or other health occupation area;

(e) Laboratory organization and management;

(f) Clinical practicum in subject area;

(g) Mental hygiene in the classroom;

(h) Problems in occupational education; and

(i) Principles of vocational guidance; and

(5) 1 year of successful teaching experience in the occupational area to be taught if the applicant has not completed student teaching.]

13A.12.02.11 REPEAL

[.11 Marketing Education—Teacher-Coordinator (Grades 7—12).

A. To receive certification in marketing education—teacher-coordinator (grades 7—12), the applicant shall:

(1) Complete 24 semester hours of content course work taken at an IHE to include:

(a) 18 semester hours of marketing course work including at least one course in each of the following areas:

(i) Marketing principles;

(ii) Advertising;

(iii) Salesmanship;

(iv) Economic principles;

(v) Business management principles; and

(vi) Retailing; and

(b) 6 semester hours of related course work in two of the following areas:

(i) Accounting;

(ii) Computer science;

(iii) Business law;

(iv) Speech;

(v) Report writing; and

(vi) Display; and

(2) Complete 15 semester hours of professional education course work taken at an IHE to include:

(a) 3 semester hours in organization and coordination of cooperative education programs;

(b) 3 semester hours from among the following:

(i) Youth organization;

(ii) Classroom management;

(iii) Stress or time management or both;

(iv) Counseling techniques; and

(v) Human relations processes; and

(c) 3 additional semester hours of professional education course work taken at an IHE or 2,000 clock hours of supervised occupational experience in marketing; and

(d) One of the following:

(i) 6 semester hours of supervised observation and a supervised experience at the secondary level; or

(ii) 2 years of successful teaching experience at the secondary level.

B. Additional Areas of Certification. To add an area of specialization such as real estate, finance, fashion, or tourism to certification in marketing education, an applicant shall, in addition to the above course work, complete:

(1) 9 semester hours or course work taken at an IHE in the area of specialization; and

(2) 1,000 hours of supervised occupational experience in the same area of specialization.]

13A.12.02.15

.15 [Trades and Industry] Professional and Technical Education (Grades 7—12).

A. To receive certification in [trades and industry] professional and technical education (grades 7—12), the applicant shall complete one of the following options:

(1) Option I:

[(a)] An applicant shall earn a bachelor's or higher degree in a state-approved [vocational] career and technical education program from an IHE. [and provide official verification of 2 years of previous satisfactory occupational experience in the trade to be taught;

(b) The occupational experience in §A(1)(a) of this regulation shall:

(i) Be within 10 years of the issuance of the certificate; and

(ii) Include 1 year full-time employment;

(c) A graduate of a career and technology education program in the practice of the trade to be taught, with a minimum 3.0 grade point average in course work related to the trade to be taught, shall earn credit for 6 months occupational experience under §A(1)(a) of this regulation;]

(2) Option II:

(a) An applicant shall have a bachelor's or higher degree in [industrial arts/technology education, industrial technology, or in the trade] the career area to be taught from an IHE; and [and provide official verification of 2 years of previous satisfactory occupational experience in the trade to be taught;

(b) The occupational experience in §A(2)(a) of this regulation shall:

(i) Be within 10 years of the issuance of the certificate; and

(ii) Include 1 year full-time employment;

(c) A graduate of a career and technology education program in the practice of the trade to be taught, with a minimum 3.0 grade point average in course work related to the trade to be taught, shall earn credit for 6 months occupational experience under §A(2)(a) of this regulation;]

[(d)] (b) An applicant shall meet the professional education course work required in §B of this regulation.

(3) Option III:

(a) An applicant shall earn an associate's degree in the [trade] career area to be taught or a bachelor's or higher degree from an IHE, and provide official verification of [3] 2 years of previous satisfactory occupational experience in the [trade] career area to be taught;

(b) The occupational experience in §A(3)(a) of this regulation shall:

(i) Be within 10 years of the issuance of the certificate; and

(ii) Include 1 year full-time employment; or

(iii) The applicant may substitute a Department- accepted, current industry recognized credential for the 1 year employment requirement; and

[(c) A graduate of a career and technology education program in the practice of the trade to be taught, with a minimum 3.0 grade point average in course work related to the trade to be taught, shall earn credit for 6 months occupational experience under §A(3)(a) of this regulation;]

[(d)] (c) An applicant shall meet the professional education course work required in §B of this regulation.[; or]

(4) Option IV:

(a) An applicant shall have a secondary school diploma or the equivalent, and official verification of [5] 3 years of previous satisfactory occupational experience in the [trade] career area to be taught;

(b) The occupational experience in §A(4)(a) of this regulation shall:

(i) Be within 10 years of the issuance of the certificate; and

(ii) Include 2 years full-time employment; or

(iii) The applicant may substitute a Department- accepted, current industry recognized credential for 1 year of the 2 year employment requirement; and

[(c) A graduate of a career and technology education program in the practice of the trade to be taught, with a minimum 3.0 grade point average in course work related to the trade to be taught, shall earn credit for 6 months occupational experience under §A(4)(a) of this regulation;]

[(d)] (c) An applicant shall meet the professional education course work as required in §B of this regulation.

B. Professional Education Courses.

(1) With the exception of an applicant under §A(1) Option I of this regulation, the [trades and industry] professional and technical education applicant shall complete [the]12 credits of [approved trade-related and industrial related] professional education course work, as provided in §B(2) of this regulation, from an IHE or through Department-approved Continuing Professional Development credits. [A maximum of 9 semester hours of credit may be earned through CPDs.]

(2) The professional education course work shall include the following topics:

[(a) 6 semester hours of curriculum/methods of teaching/practicum, which shall be completed before the second year of teaching, and which include:

(i) 3 semester hours to be completed during the first year of teaching; and

(ii) 3 semester hours which may be earned through an approved supervised mentored experience;

(b) 3 semester hours of student performance assessment and evaluation;

(c) 3 semester hours of teaching students with special needs;

(d) 3 semester hours of teaching reading/writing; and

(e) 6 semester hours of course work related to teaching the math or science basis of the trade, or both, or 3 semester hours in an integrated course related to teaching the math and science basis of the trade.]

(a) Planning, delivering, and assessing instruction;

(b) Managing an effective classroom and minimizing risk;

(c) Differentiating instruction to accommodate special needs; and

(d) Providing reading, writing and mathematics literacy instruction relevant to the career area.

C. The applicant shall be governed by current licensure, certification, or registration regulations administered by professional organizations or legally constituted authorities in the State in the career area to be taught.