

**ADOPTED REGULATION OF THE
COMMISSION ON PROFESSIONAL STANDARDS IN
EDUCATION**

LCB File No. R009-17

EXPLANATION – Matter in *italics* is new; matter in brackets ~~omitted material~~ is material to be omitted.

AUTHORITY: §§1-3, NRS 391.019.

A REGULATION relating to educational personnel; revising provisions governing the qualifications for an endorsement to teach computer programming or computer science and technology-based applications; repealing the endorsement to teach concepts, skills and basic applications; and providing other matters properly relating thereto.

Legislative Counsel’s Digest:

Existing law requires the Commission on Professional Standards in Education to adopt regulations identifying fields of specialization in teaching which require the specialized training of teachers. Existing law also requires the Commission to adopt regulations requiring teachers to obtain an endorsement in a field of specialization to be eligible to teach in that field of specialization. (NRS 391.019) **Section 1** of this regulation updates terminology relating to an endorsement to teach computer programming or computer science by replacing references to “computer programming or computer science” with “advanced computer science.” **Section 1** also revises the qualifications required to receive an endorsement to teach advanced computer science by limiting the option to receive such an endorsement to a person who has a valid secondary license. Finally, **section 1** requires a person who wishes to receive such an endorsement to: (1) complete 12 semester hours of coursework in certain courses of study; or (2) submit documentation indicating that the person passed, at the level of competency specified by the Commission, the “Praxis Computer Science Test” prepared and administered by the Educational Testing Service.

Section 2 of this regulation updates terminology relating to an endorsement to teach computer-based applications by replacing references to “computer-based applications” with “computer technology-based applications.” **Section 2** also revises the qualifications required to receive an endorsement to teach computer technology-based applications by limiting the option to receive an endorsement to a person who has a valid secondary license or a valid license to teach middle school or junior high school education. Finally, **section 2** eliminates the option to complete a program, which has been approved by the State Board of Education, for teaching

computer-based applications in lieu of completing a certain number of semester hours of instruction in certain areas of study and revises such areas of study.

Section 3 of this regulation repeals a regulation relating to the endorsement to teach concepts, skills and basic applications regarding computers. (NAC 391.192)

Section 1. NAC 391.196 is hereby amended to read as follows:

391.196 To receive an endorsement to teach ~~{computer programming or}~~ *advanced* computer science , ~~{in kindergarten through grade 12,}~~ a person must have a valid ~~{elementary,}~~ secondary ~~{or special}~~ license ~~{, a valid license to teach special education, or a valid license to teach middle school or junior high school education,}~~ and must : ~~{complete:}~~

1. ~~{A program, which has been approved by the Board, for teaching computer programming or computer science; or~~

~~—2.—Twelve}~~ *Successfully complete 12* semester hours ~~{in courses of study which include the following:}~~ *of coursework, consisting of:*

(a) ~~{Methods for teaching the use of a computer or educational issues involved in the teaching of computers, or both;~~

~~—(b) Methods}~~ *Three semester hours of coursework in a course of study that covers methods for teaching computer {programming:} science;*

(b) Three semester hours of coursework in a course of study that covers concepts in computer science; and

(c) ~~{Instruction}~~ *Six semester hours of coursework in a course of study that covers instruction concerning programming in {at least two} computer languages {;} or*

2. *Submit to the Department official documentation which indicates that the person passed, at the level of competency specified by the Commission, the “Praxis Computer Science Test” prepared and administered by the Educational Testing Service.*

Sec. 2. NAC 391.202 is hereby amended to read as follows:

391.202 To receive an endorsement to teach ~~{computer-based}~~ *computer technology-based* applications *and computational thinking* that ~~{include}~~ *includes* issues relating to ~~{educational}~~ *information* technology, ~~{or}~~ tools for productivity, communication and research ~~{in kindergarten through grade 12,}~~ *and computational thinking*, a person must have a valid ~~{elementary,}~~ secondary ~~{or special}~~ license ~~{, a valid license to teach special education,}~~ or a valid license to teach middle school or junior high school education, and must have completed ~~{~~
~~— 1. —~~ A program, which has been approved by the Board, for teaching computer-based applications; ~~or~~
~~— 2. —~~ Twelve

9 semester hours of course work ~~{that covered:~~

~~(a) Educational issues relating to computers;~~

~~— (b) Methods}~~, *consisting of:*

1. *Three semester hours of coursework in a course of study that covers methods* for teaching ~~{the integration of technology with curriculum;}~~ *computer science;*

2. *Three semester hours of coursework in a course of study that covers concepts in computer science;* and

~~{(c) Computer applications or instruction in at least three of the following application packages:~~

~~— (1) Productivity tools such as word}~~

3. *Three semester hours of coursework in a course of study that covers methods for teaching computer applications which include, without limitation:*

(a) *Word* processing ~~{, databases}~~ and *the use of* spreadsheets;

~~{(2)}~~ *(b)* Communication *and collaboration* tools;

~~{(3) Research}~~ *(c) Internet research* tools;

~~{(4) Multimedia tools; or~~

~~—{(5) Other applications approved by the Board.}~~

(d) Internet safety; and

(e) Proper keyboarding techniques.

Sec. 3. NAC 391.192 is hereby repealed.

TEXT OF REPEALED SECTION

391.192 Endorsement to teach concepts, skills and basic applications regarding computers. (NRS 391.019) To receive an endorsement to teach concepts, skills and basic applications regarding computers in kindergarten through grade 12, a person must have a valid elementary, secondary or special license, a valid license to teach special education, or a valid license to teach middle school or junior high school education, and must have completed:

1. A program, which has been approved by the Board, for teaching the use of computers; or
2. Six semester hours of course work that included:
 - (a) Methods for teaching the use of a computer or educational issues related to computers;
 - (b) An introduction to using:
 - (1) The computer keyboard and printer;
 - (2) Basic operating commands; and
 - (3) Computer terminology; and

(c) A review of available software.