

**ADOPTED REGULATION OF THE  
STATE BOARD OF EDUCATION**

**LCB File No. R132-10**

Effective December 16, 2010

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

AUTHORITY: §§1-3, NRS 385.080 and 385.110.

A REGULATION relating to education; prescribing the performance standards for a course of study in health science; and providing other matters properly relating thereto.

**Section 1.** Chapter 389 of NAC is hereby amended by adding thereto a new section to read as follows:

*A course of study in health science must be designed so that pupils meet the following performance standards by the completion of the final course of instruction:*

*1. For the area of academic foundation, understand principles of health science as they relate to a career in health science, as demonstrated by the ability of the pupil to:*

*(a) Demonstrate knowledge of human anatomy and physiology and the corresponding medical terminology;*

*(b) Relate principles of anatomy and physiology to the diagnosis and treatment of diseases and medical conditions;*

*(c) Demonstrate and apply knowledge of mathematics as it relates to health care; and*

*(d) Evaluate individual situations in a health care setting using the appropriate assessment tools.*

*2. For the area of communication, understand the different methods that are available to gather and communicate information in a health care setting, as demonstrated by the ability of the pupil to use:*

- (a) The appropriate verbal and nonverbal communication skills in the workplace;*
- (b) The appropriate medical terminology while communicating information; and*
- (c) Current written and electronic formats for communication.*

*3. For the area of systems, understand systems of health care and the role of those systems, as demonstrated by the ability of the pupil to:*

- (a) Evaluate the delivery of systems of health care; and*
- (b) Demonstrate competency in and an understanding of systems of health care which are safe for the environment.*

*4. For the area of skills necessary to obtain employment, achieve competence in workplace readiness, career development and lifelong learning, by demonstrating:*

- (a) The skills necessary for solving problems;*
- (b) Skills of critical thinking;*
- (c) The ability to speak, write and listen effectively;*
- (d) The ability to select and apply computer skills;*
- (e) Skills of leadership and teamwork;*
- (f) An awareness of the ethical behavior appropriate for the workplace;*
- (g) An ability to manage resources effectively in the workplace;*
- (h) The skills necessary for the planning and development of a career; and*
- (i) The skills necessary for retention of a job and continuation of learning throughout a career.*

*5. For the area of legal responsibility, understand the legal responsibilities, limitations and implications of actions taken by the pupil or other persons in the delivery of health care, as demonstrated by the ability of the pupil to:*

- (a) Perform duties in accordance with laws, regulations and policies; and*
- (b) Accurately apply standards and procedures for legal documentation and recordkeeping.*

*6. For the area of ethics, understand ethical practices which are consistent with professional and organizational directives with respect to cultural, social and ethnic differences, as demonstrated by the ability of the pupil to:*

- (a) Differentiate between ethical and legal issues that impact health care;*
- (b) Demonstrate professional and ethical standards that impact health care; and*
- (c) Demonstrate respectful and empathetic interactions with diverse populations.*

*7. For the area of safety practices, understand safe work practices, safety policies and procedures and existing and potential hazards, as demonstrated by the ability of the pupil to:*

- (a) Explain principles of infection control and techniques for the prevention of infection;*
- (b) Apply procedures for personal safety in accordance with the Occupational Safety and Health Act and the regulations of the Centers for Disease Control and Prevention;*
- (c) Apply appropriate safety techniques to maintain a safe working environment;*
- (d) Comply with safety signs, symbols, labels and material safety data sheets; and*
- (e) Practice basic emergency procedures and protocols.*

*8. For the area of teamwork, understand the roles and responsibilities of persons who are part of a health care team, as demonstrated by the ability of the pupil to:*

- (a) Describe characteristics of an effective health care team; and*
- (b) Understand the methods for building team relationships in a positive manner.*

*9. For the area of personal health, understand the fundamentals of wellness and the prevention of diseases, as demonstrated by the ability of the pupil to describe and apply behaviors for the prevention of diseases and the promotion of health and wellness.*

*10. For the area of technical skills, demonstrate the skills and knowledge of the technical skills required for a career in health care.*

*11. For the area of information technology, understand the components that are necessary for the management of health care information, as demonstrated by the ability of the pupil to:*

*(a) Interpret health care records and files; and*

*(b) Use technology to access and distribute data and other information.*

**Sec. 2.** NAC 389.516 is hereby amended to read as follows:

389.516 A local school board may offer the following courses of study as elective courses in a public high school:

1. History, other than American history.
2. Government, other than American government.
3. Agriculture and natural resource sciences, which may include the courses of study described in NAC 389.520 to 389.537, inclusive **[ ]**, *and section 1 of this regulation.*
4. The arts.
5. Business, which may include the courses of study described in NAC 389.543 to 389.555, inclusive.
6. Communications, which may include the courses of study described in NAC 389.556 and 389.558.

7. Career and technical education, in cooperation with private employers, as described in NAC 389.562, 389.564 and 389.566.
8. Drivers' education.
9. Foreign language.
10. Occupations, which may include the courses of study described in NAC 389.572 to 389.584, inclusive.
11. Occupations in trade and industry, which may include the courses of study described in NAC 389.586 to 389.618, inclusive.
12. Family and consumer sciences.
13. Industrial arts.
14. Marketing.
15. Skills needed to obtain employment as described in NAC 389.644 to 389.650, inclusive.
16. Social studies, which must include the course of study described in NAC 389.511.
17. Introduction to occupations which may include the courses of study described in NAC 389.6528 to 389.6547, inclusive.
18. Great Basin Native American languages.

**Sec. 3.** NAC 389.672 is hereby amended to read as follows:

389.672 1. A board of trustees may allow a pupil to earn, towards the units necessary for graduation from high school, two units of the credit required in English, one unit required in mathematics, one unit required in science and one-half unit required in health if he is enrolled in one of the following occupational courses of study and that course of study includes, as part of its curriculum, the curriculum of the required course:

(a) Agriculture and natural resource sciences described in NAC 389.520 to 389.537, inclusive ~~§~~, *and section 1 of this regulation.*

(b) Business.

(c) Career and technical education in cooperation with a private employer.

(d) Occupations described in NAC 389.572 to 389.584, inclusive.

(e) Occupations in trade and industry described in NAC 389.586 to 389.618, inclusive.

(f) Family and consumer sciences.

(g) Industrial arts.

(h) Marketing.

(i) Skills needed to obtain employment.

2. The superintendent of the school district shall appoint a committee composed of one person certified to teach in the occupational course of study and one person certified to teach in the academic area in which the credit may be earned. The committee must verify to the board of trustees that the curriculum for the occupational course of study includes the curriculum of the required course of study.

3. After verification has been received by the board of trustees, the written curriculum and title of the course of study and a statement of the academic credit to be granted must be submitted to the State Board of Education for approval. Academic credit may be granted for the occupational course of study or combination of courses only after the State Board of Education has given its approval.

4. The Superintendent of Public Instruction may give approval for the granting of academic credit to a board of trustees requesting to use a curriculum for a course of study that has been approved by the State Board of Education for another school district if:

- (a) The procedures set forth in subsection 2 were followed by the requesting district; and
- (b) The board of trustees provides assurances that it will not deviate from the curriculum that has been approved by the State Board.

5. A pupil who earns academic credit pursuant to this section must be notified that the approval for academic credit is designed to meet the requirements for graduation from high school and may not necessarily be accepted for academic credit by a specific postsecondary institution. A copy of the notification given to the pupil must accompany the other materials to be submitted to the State Board of Education for final approval.

6. A minimum number of credits must be earned in the respective academic areas, as follows:

- (a) At least one credit must be earned in the academic mathematics department;
- (b) At least one credit must be earned in the academic science department; and
- (c) At least two credits must be earned in the academic English department.

**NEVADA DEPARTMENT OF EDUCATION**  
**NEVADA STATE BOARD OF EDUCATION**  
**NEVADA STATE BOARD FOR CAREER AND TECHNICAL EDUCATION**  
**LEGISLATIVE REVIEW OF ADOPTED REGULATIONS AS REQUIRED**  
**BY ADMINISTRATIVE PROCEDURES ACT, NRS 233B.066**  
**LCB File No. R132-10**

**NAC 389 - Health Science Standards**

**INFORMATIONAL STATEMENT**

The following statement is submitted for adopted amendments to Nevada Administrative Code 389

1. A description of how public comment was solicited, a summary of public response, and explanation how other interested persons may obtain a copy of the summary.

Notice of Workshop to Solicit Comments on Proposed Regulations was sent to approximately 200 individuals and educational organizations. A workshop was held on August 12, 2010. There was no public comment.

The Notice of Intent to Act Upon a Regulation for public hearing and adoption of the new regulation amendments to R132-10; NAC 389 – Health Science Standards. A public hearing was conducted on October 8, 2010 to provide the opportunity for comments by affected parties and the public. There was public comment. The State Board of Education adopted the proposed amendments.

2. The Number of Persons Who:

- a) Attended Each Hearing: First Workshop: 17; First Hearing: 7; Second Hearing: N/A
- b) Testified at Each Hearing: First Workshop: 0; First Hearing: 1; Second Hearing: N/A
- c) Submitted Written Statements: First Workshop: 0; First Hearing: 0; Second Hearing: N/A

A copy of any written comments may be obtained by contacting Karen Johansen, Administrative Assistant, Nevada Department of Education, 775-687-9225, or by writing to the Nevada Department of Education, 700 East Fifth Street, Carson City, Nevada 89701-5096.

3. A description of how comments were solicited from affected businesses, a summary of the response and an explanation how other interested parties may obtain a copy of the summary.

Comments were solicited through the workshop notice of July 7, 2010; and a public hearing notice of September 3, 2010. At the August 12, 2010 Workshop to Solicit



Comments, there was no public comment to the proposed new regulation. At the October 8, 2010 public hearing there was public comment to the proposed new regulation language.

Summary of Comments:

Workshop comments:

There were no public comments at the workshop.

Public Hearing comments:

Shannon LaNeve, Clark County School District, stated CCSD was in support of the standards.

A copy of the summary and/or minutes of the public hearing may be obtained by contacting Karen Johansen, Administrative Assistant, Nevada Department of Education, 775-687-9225, or by writing to the Nevada Department of Education at 700 East Fifth Street, Carson City, Nevada 89701-5096.

4. If the regulation was adopted with or without change to any part of the proposed regulation, a summary of the reasons for adopting.

The Nevada State Board of Education adopted the proposed new regulation language at the public hearing held October 8, 2010. The need and purpose of the new regulation to NAC 389 is that new proposed standards for Health Sciences will provide standards for advanced courses of study.

5. The estimated economic effect of the adopted regulation on the business that it is to regulate and on the public. These must be stated separately and each case must include:

There is no economic effect on the public or the business it regulates.

There is no cost to the Department of Education to adopt these regulations. There is no federal law affecting the proposed regulations. There is no duplication or overlap of state or local governmental agencies. The proposed regulations do not establish a new fee nor increase an existing fee of the regulating agency.

6. The estimated cost to the agency for enforcement of the adopted regulation.

There is no additional cost to the agency for enforcement of this regulation.

7. A description of any regulations of other state or governmental agencies which the proposed regulation overlaps or duplicates and a statement explaining why the duplication or overlapping is necessary. If the regulation overlaps or duplicates a federal regulation, the name of the regulating federal agency.

No other state or governmental agency regulations will be overlapped or duplicated by the above noted regulation. There is no duplication or overlap of federal regulations.

8. If the regulation includes provisions which are more stringent than a federal regulation, which regulates the same activity, a summary of such provisions.

There are none.

9. If the regulation provides a new fee or increases an existing fee, the total annual amount the agency expects to collect and the manner in which the money will be used.

This regulation does not provide for a new fee or increase an existing fee.