

NEVADA DEPARTMENT OF EDUCATION

Notice of Workshop to Solicit Comments on Proposed Regulation

The Nevada Department of Education is proposing regulation language pertaining to the Nevada Administrative Code. The Workshop has been scheduled for **Thursday, August 13, 2015** via video conference at the following locations: **Nevada Department of Education Offices, Board Conference Room, 700 East Fifth Street, Board Room, Carson City and 9890 South Maryland Parkway, 2nd Floor Board Conference Room, Las Vegas, Nevada.** The purpose of the Workshop is to solicit comments from interested person on the following general topics to be addressed in a proposed regulation:

Time: 9:15 a.m. Workshop to solicit comments on proposed amendments to NAC Chapter 389.
The proposed amendments remove the language in 389.605 related to standards for a course of study in Graphic Communications and Production since current state standards for the same program are referenced in 389.803; the amendments also provide for the updating of career and technical education program nomenclature in 389.803 to align with the approved program names in the 2015-16 Career and Technical Education Course Catalog, which was endorsed by the State Board of Education on April 30,2015.

A copy of all materials relating to the proposal may be obtained at the workshop or by contacting by telephone Karen Johansen, State Board of Education Office, Nevada Department of Education, at 775-687-9225, or in writing to the Department of Education, 700 East Fifth Street, Carson City, Nevada 89701-5096. A reasonable fee for copying may be charged.

This Notice of Workshop to Solicit Comments on Proposed Regulation has been sent to all persons on the agency's mailing list for administrative regulations and posted at the following locations: The offices of the Nevada Department of Education in Carson City and Las Vegas, the 17 Nevada County main public libraries, the Nevada State Library and Archives, and at the meeting locations.

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**SMALL BUSINESS IMPACT STATEMENT
PURSUANT TO NRS 233B.0608**

Date: July 24, 2015

Re: Workshop to Adopt Regulations Concerning Career and Technical Education, scheduled for August 13, 2015 at 9:15 a.m.

I, Michael J. Raponi, Director of the Office of Career Readiness, Adult Learning & Education Options, do hereby certify that, to the best of my knowledge or belief:

1. The proposed new regulations to be added the NAC Chapter 389 concerning the administration of career and technical education programs are not likely to (a) impose a direct or significant economic burden upon a small business, or (b) directly restrict the formation, operation or expansion of a small business. The proposed regulation amendments will remove outdated language and add current nomenclature to align the program names the NAC to the most current state-approved programs.
2. The proposed changes affect program titles and not content, and the implementation of programs is a function of local school districts and charter schools, providing further evidence there is no additional economic burden that would result from these amendments.
3. All relevant materials were reviewed and the Department considered its history with implementing similar regulations; the proposed changes are within the historic scope of the Department's activities and present no significant cost of enforcement.
4. Comment has not been solicited from small businesses, and no summary of their response is provided because small businesses are not impacted by this regulation and thus no burden or economic impact can be assessed. Any impact is positive and was considered during legislative testimony.

I hereby further certify that, to the best of my knowledge or belief, a concerted effort was made to determine the impact of the regulation on small businesses and that the information contained in this statement was prepared properly and is accurate.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Michael J. Raponi". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

**PROPOSED REGULATION OF THE
STATE BOARD OF EDUCATION**

Explanation: All matter in *italics* is new. All matter with a ~~strike through~~ is to be removed.

AUTHORITY: NRS 385.080 & NRS. 385.110

[Matter in italics is new; matter with lines to be removed]

Proposed Amendments to NAC 389.605 and 389.803
(Non-italicized highlighted sections indicate recent changes; *italicized wording represents proposed new language; lined wording represents proposed deletions*)

~~NAC 389.605~~ ~~Graphic communications and production.~~ ~~(NRS 385.080, 385.110)~~ A course of study in graphic communications and production 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 graphic communications and production industry:~~
 - ~~— (a) Understand the importance of the history of that industry;~~
 - ~~— (b) Understand the concept of the workflow process;~~
 - ~~— (c) Understand the types of careers and the prospects for employment available in that industry;~~
 - ~~— (d) Demonstrate an understanding of the principles of entrepreneurship;~~
 - ~~— (e) Demonstrate proficiency in the standard mathematical concepts used in that industry; and~~
 - ~~— (f) Effectively estimate all costs associated with a graphic communications and production project.~~
- ~~— 2. For the area of advertising and design:~~
 - ~~— (a) Demonstrate knowledge of copyright and intellectual property laws related to the graphic communications and production industry;~~
 - ~~— (b) Demonstrate knowledge of typography and its application;~~
 - ~~— (c) Demonstrate various techniques for page layouts using a variety of graphic communications and production applications;~~
 - ~~— (d) Identify and apply the elements and principles of design; and~~
 - ~~— (e) Understand the importance of selecting a substrate as it relates to design.~~
- ~~— 3. For the area of creation of a digital file:~~
 - ~~— (a) Demonstrate and use standard software applications of the graphic communications and production industry for design;~~
 - ~~— (b) Compare and contrast a variety of file formats and their uses and applications;~~
 - ~~— (c) Understand and use various techniques for capturing digital images;~~
 - ~~— (d) Understand how to create a digital image;~~
 - ~~— (e) Understand how to use portable document format files; and~~
 - ~~— (f) Use the appropriate software to preflight files.~~
- ~~— 4. For the area of sending digital files to output devices:~~
 - ~~— (a) Identify, select and operate the appropriate output device;~~
 - ~~— (b) Describe and apply imposition techniques;~~
 - ~~— (c) Perform basic maintenance on output devices; and~~
 - ~~— (d) Demonstrate knowledge of digital production printing.~~
- ~~— 5. For the area of offset press operations:~~
 - ~~— (a) Identify and perform offset press operations;~~
 - ~~— (b) Explain the functions of a lithographic plate;~~

- (c) Identify and explain the basic systems of an offset press;
 - (d) Perform proper make-ready procedures;
 - (e) Differentiate between the uses of single-color and multi-color printing presses; and
 - (f) Demonstrate the proper maintenance procedures for offset presses.
 - 6. For the area of screen print technology:
 - (a) Understand and demonstrate the processes of screen print technology and the production of screen prints;
 - (b) Understand frames and the processes of screen preparation;
 - (c) Select and apply the appropriate stencil system;
 - (d) Print a substrate using proper screen printing techniques; and
 - (e) Practice the proper procedures for cleanup and maintenance.
 - 7. For the area of binding and finishing operations and equipment, understand the appropriate procedures for binding.
 - 8. For the area of environmental health, safety and first-aid procedures:
 - (a) Identify and follow appropriate environmental health, safety and first-aid procedures;
 - (b) Demonstrate knowledge of the requirements and opportunities that are available for recycling and reusing in the community in which the pupil lives;
 - (c) Understand the laws and regulations governing the graphic communications and production industry, including, without limitation, local laws and regulations, and any rules or regulations of the United States Environmental Protection Agency and the Occupational Safety and Health Administration of the United States Department of Labor;
 - (d) Demonstrate knowledge of material safety data sheets;
 - (e) Understand the emergency procedures of the classroom and the school in which the pupil is enrolled, including, without limitation, the applicable emergency plan; and
 - (f) Demonstrate the proper use of personal protective equipment.
- (Added to NAC by Bd. of Education by R024-12, eff. 9-14-2012)

Section 1. NAC 389.803 is hereby amended to read as follows:

389.803 1. The board of trustees of a school district may offer any of the following program areas for a program of career and technical education in a public high school:

- (a) Agriculture and natural resources, which may include the following courses of study:
 - (1) ~~[Agriculture]~~ *Agricultural* business systems.
 - (2) Agricultural leadership, communication and policy.
 - (3) ~~[Agriculture mechanical engineering technology equipment fabrication systems.~~
 - (4) ~~Agriculture mechanical engineering technology power systems.~~
 - (5) ~~Agriculture mechanical engineering technology structural systems.]~~ *Agricultural mechanics technology.*
 - ~~[(6)]~~ (4) Animal science.
 - ~~[(7)]~~ (5) Environmental management.
 - ~~[(8)]~~ ~~Equine science.~~
 - ~~[(9)]~~ (6) Floriculture design and management.
 - (7) *Food Science Technology.*
 - ~~[(10)]~~ (8) Landscape design and management.
 - ~~[(11)]~~ (9) Natural resources and wildlife management.
 - ~~[(12)]~~ (10) Ornamental horticulture ~~[or]~~ /greenhouse management.
 - ~~[(13)]~~ (11) Veterinary science.
- (b) Business and marketing education, which may include the following courses of study:
 - (1) Accounting and finance.
 - (2) Administrative services.

- (3) Business management.
 - (4) Entrepreneurship.
 - (5) Marketing.
 - (6) Sports and entertainment marketing.
- (c) Education, hospitality and human services, which may include the following courses of study:
- (1) Baking and pastry.
 - (2) Cosmetology.
 - (3) Culinary arts.
 - (4) Early childhood education.
 - (5) Family and consumer sciences.
 - (6) Foods and nutrition.
 - (7) Hospitality and tourism.
 - (8) Human development.
- (d) Health science and public safety, which may include the following courses of study:
- (1) Biomedical.
 - (2) Criminal justice.
 - (3) Dental assisting.
 - (4) Emergency medical technician.
 - (5) Emergency telecommunications.
 - (6) Fire science.
 - (7) Forensic science.
 - (8) Health information management.
 - (9) Law enforcement.
 - (10) Medical assisting.
 - (11) Nursing assistant.
 - (12) Pharmacy ~~[technician.]~~ *practice*.
 - (13) Respiratory therapy.
 - (14) Sports medicine.
- (e) Information and media technologies, which may include the following courses of study:
- (1) Animation.
 - (2) Computer science.
 - (3) ~~[Database design.]~~
 - ~~(4)]~~ Digital game development.
 - ~~[(5)]~~ (4) Fashion, textiles and design.
 - ~~[(6)]~~ (5) Graphic design.
 - ~~[(7) Graphic communications and production.]~~
 - ~~[(8) Housing and interior design.]~~ (6) *Interior design*.
 - ~~[(9)]~~ (7) Information technology for networking.
 - ~~[(10)]~~ (8) Information technology for service and support.
 - ~~[(11)]~~ (9) Photography.
 - ~~[(12)]~~ (10) Radio production.
 - ~~[(13)]~~ (11) ~~[Theater]~~ *Theatre* technology.
 - ~~[(14)]~~ (12) Video production.
 - ~~[(15)]~~ (13) Web design and development.
- (f) Skilled and technical sciences, which may include the following courses of study:
- (1) Aerospace engineering.
 - (2) ~~[Aircraft equipment technology.]~~
 - ~~(3)]~~ Architectural and civil engineering.
 - ~~[(4)]~~ (3) Architectural ~~[drafting and]~~ design.
 - (4) *Automotive service technician*.
 - (5) Automotive technology.
 - (6) *Aviation maintenance technician*.

- (7) Aviation technology.
- ~~[(7) Biotechnical engineering.]~~
- (8) Collision repair technology.
- (9) Construction technology.
- (10) Diesel ~~[equipment]~~ technology.
- (11) Drafting and design.
- (12) ~~[Electronic]~~ *Electrical* engineering.
- (13) Electronic technology.
- (14) Energy technologies.
- (15) *Environmental engineering*.
- (16) Furniture and cabinetmaking.
- ~~[(16)]~~ (17) Heating, ventilation, air-conditioning and refrigeration.
- ~~[(17)]~~ (18) Machine tool technology.
- ~~[(18) Mechanical drafting and design.]~~
- (19) *Manufacturing technologies*.
- (20) Mechanical engineering.
- ~~[(20)]~~ (21) Mechanical technology.
- ~~[(21)]~~ (22) Metalworking.
- ~~[(22)]~~ (23) Welding technology.

2. If the board of trustees of a school district offers a program area set forth in subsection 1, the courses of study which the board of trustees offers within that program area must comply with the standards of content and performance established by the State Board of Education for that course of study if the Board has established such standards. A copy of any standards of content and performance that the Board has established for those courses of study are available on the website maintained by the Department of Education at the Internet address http://cteae.nv.gov/Career_and_Technical_Education/Standards/.