PROPOSED REGULATION OF THE COMMISSION ON

PROFESSIONAL STANDARDS IN EDUCATION

LCB File No. R152-15

January 8, 2016

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

AUTHORITY:§§1 and 2, NRS 391.019.

A REGULATION relating to education; revising the areas of study required for a major in manufacturing technologies; and providing other matters properly relating thereto.

Legislative Counsel's Digest:

Existing law requires the Commission on Professional Standards in Education to adopt regulations: (1) identifying fields of specialization in teaching which require the specialized training of teachers; and (2) setting forth the requirements a teacher must satisfy to qualify for an endorsement in each field of specialization. (NRS 391.019) Existing regulations authorize a teacher who possesses a secondary license which is endorsed for a recognized field of teaching to teach in: (1) departmentalized seventh or eighth grade; (2) a junior high school; (3) an approved middle school; or (4) a senior high school. Such an endorsement is based on an applicant's field of specialization or concentration, usually designated as his or her major, minor or area of concentration. (NAC 391.125) Existing regulations recognize manufacturing technology as a comprehensive major or minor. (NAC 391.1301) Existing regulations also require a major or minor in manufacturing technology to include course work in certain areas. (NAC 391.1309) **Sections 1 and 2** of this regulation change the term used to refer to this major from "manufacturing technology" to "manufacturing technologies." **Section 2** also revises the areas of study required for a major or minor in manufacturing technologies.

Section 1. NAC 391.1301 is hereby amended to read as follows:

391.1301 The Commission recognizes the following fields as comprehensive majors or minors, which require 36 or 24 semester hours of credit respectively:

1. In academic education:

(a) Art;

(b) Biological science;

(c) English as a second language;

(d) English;

(e) General science;

(f) Instrumental and vocal music;

(g) Instrumental music;

(h) Mathematics;

(i) Physical education;

(j) Physical education and health;

(k) Physical science;

(l) Recreational physical education;

(m) Social studies;

(n) Speech and drama; and

(o) Vocal music.

➥ For the comprehensive majors and minors identified in this subsection, a person who holds a bachelor's degree or a higher degree with a major or minor conferred by a regionally accredited college or university shall be deemed to qualify for a comprehensive major or minor, as applicable, if he or she has satisfied the requirements of NAC 391.120.

2. In career and technical education:

(a) Agricultural education;

(b) Automotive service technology;

(c) Business education;

(d) Child care;

(e) Communications and media;

(f) Construction technology;

(g) Drafting and design;

(h) Electronic technology;

(i) Family and consumer sciences;

(j) Food services;

(k) Health occupations;

(l) Hospitality and recreation;

(m) Human services;

(n) Industrial arts;

(o) Manufacturing ~~[technology;]~~ ***technologies;***

(p) Marketing education;

(q) Stage and theater technology; and

(r) Technology education.

Sec. 2. NAC 391.1309 is hereby amended to read as follows:

391.1309 1. The semester hours of credit required for a major in manufacturing ~~[technology]~~ ***technologies*** must include course work in each of the following areas of study:

(a) ~~[Acetylene welding;]~~ ***General safety in the industry;***

(b) ~~[Electric arc welding;]~~ ***Print reading;***

(c) ~~[Machine tool operation;]~~ ***Manufacturing processes;***

(d) ~~[Metal fabrication-arc;]~~ ***Quality control;***

(e) ~~[Metal fabrication;]~~ ***Materials processing;***

(f) ~~[Industrial metals;]~~ ***Basic electricity;***

(g) ~~[Reading blueprints;]~~ ***Basic electronics;***

(h) ~~[Basic metals;]~~ ***Power systems;***

(i) ~~[Welding design and layout;]~~ ***Three-dimensional modeling;***

(j) ~~[Inspection testing;]~~ ***Computer numerically controlled (CNC) operations;***

(k) ~~[Advanced arc welding;]~~ ***Automated production;*** and

(l) ~~[GTAW (TIG) and GMAW (MIG) welding.]~~ ***Business operations and logistics.***

2. The semester hours of credit required for a minor in manufacturing ~~[technology]~~ ***technologies*** must include course work in each of the ~~[following]~~ areas of study ~~[:~~

~~(a) Acetylene welding;~~

~~(b) Introduction to arc welding;~~

~~(c) Basic metals;~~

~~(d) Welding design and layout;~~

~~(e) Reading blueprints;~~

~~(f) Machine reading;~~

~~(g) Metal fabrication; and~~

~~(h) Inspection testing.]~~ ***listed in paragraphs (a) to (h), inclusive, of subsection 1.***