

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

**LCB FILE NO. R069-18I**

**The following document is the initial draft regulation proposed  
by the agency submitted on 04/09/2018**

~~**NAC 391.13062 Major or minor in agricultural education. (NRS 391.019)** The semester hours of credit required for a major or minor in agricultural education must include course work in each of the following areas of study:~~

- ~~—1. Animal science;~~
- ~~—2. Agricultural economics;~~
- ~~—3. Agronomy;~~
- ~~—4. Horticulture; and~~
- ~~—5. Agricultural mechanics.~~
- ~~—(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89)~~

~~**NAC 391.13064 Major or minor in automotive service technology. (NRS 391.019)**~~

~~—1. The semester hours of credit required for a major in automotive service technology must include course work in each of the following areas of study:~~

- ~~—(a) Automatic transmission and transaxle;~~
- ~~—(b) Brakes;~~
- ~~—(c) Electrical and electronic systems;~~
- ~~—(d) Engine performance;~~
- ~~—(e) Engine repair;~~
- ~~—(f) Heating and air conditioning;~~
- ~~—(g) Manual drivetrain and axles; and~~
- ~~—(h) Suspension and steering.~~

~~—2. The semester hours of credit required for a minor in automotive service technology must include course work in each of the following areas of study:~~

- ~~—(a) Brakes;~~
- ~~—(b) Electrical and electronic systems;~~
- ~~—(c) Engine performance; and~~
- ~~—(d) Suspension and steering.~~

~~—(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89; A by R075-00, 6-20-2000)~~

~~**NAC 391.13066 Major or minor in business education. (NRS 391.019)**~~

~~—1. The semester hours of credit required for a major in business education must include course work in each of the following areas of study, including 9 semester hours in upper division courses:~~

- ~~—(a) Accounting;~~
- ~~—(b) Business law;~~
- ~~—(c) Communications;~~
- ~~—(d) Economics;~~
- ~~—(e) Management or operations management;~~
- ~~—(f) Marketing; and~~
- ~~—(g) Except as otherwise provided in subsection 2, use of computers, which must include instruction in each of the following areas of study:~~

~~—(1) Computer literacy, including, without limitation, proper keyboarding techniques, word processing and the use of databases and spreadsheets;~~

- ~~—(2) Desktop publishing or electronic publications;~~

- ~~—(3) Safety and research on the Internet; and~~
- ~~—(4) Multimedia software and peripherals.~~
- ~~—2. A person who holds a Microsoft Office Specialist Certification issued by Microsoft or its successor organization in at least three Microsoft Office programs or any other similar certification approved by the Commission:~~
  - ~~—(a) Is not required to complete course work in the area of computers required pursuant to paragraph (g) of subsection 1.~~
  - ~~—(b) Shall be deemed to have completed 3 semester hours of credit for each such certification he or she holds, not to exceed 9 semester hours of credit.~~
- ~~—3. The semester hours of credit for a major in business education may include course work in the following areas of study:~~
  - ~~—(a) Entrepreneurship;~~
  - ~~—(b) International business;~~
  - ~~—(c) Management of information systems; or~~
  - ~~—(d) Organizational behavior.~~
- ~~—4. Except as otherwise provided in subsection 2, the semester hours of credit required for a minor in business education must include course work in the areas named in paragraphs (a) to (g), inclusive, of subsection 1, including 6 semester hours of credit in upper division courses.~~
- ~~—(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89; A 2-24-95; R018-11, 10-26-2011)~~

**~~NAC 391.13068 — Major or minor in child care. (NRS 391.019)~~**

- ~~—1. The semester hours of credit required for a major in child care must include course work in each of the following areas of study:~~
  - ~~—(a) Child and human development;~~
  - ~~—(b) Child guidance;~~
  - ~~—(c) Children and families;~~
  - ~~—(d) Human sexuality;~~
  - ~~—(e) Preschool administration;~~
  - ~~—(f) Preschool curriculum and methods;~~
  - ~~—(g) Nutrition for young children;~~
  - ~~—(h) Family life; and~~
  - ~~—(i) Preschool programs and staff organization.~~
- ~~—2. The semester hours of credit required for a minor in child care must include course work in each of the areas listed in paragraphs (a) to (g), inclusive, of subsection 1.~~
- ~~—(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89)~~

**~~NAC 391.1307 — Major or minor in communications and media. (NRS 391.019)~~**

- ~~—1. The semester hours of credit required for a major in communications and media must include course work in each of the following areas:~~
  - ~~—(a) Advertising;~~
  - ~~—(b) Communication technology;~~
  - ~~—(c) Speech communication;~~
  - ~~—(d) Journalism;~~

- ~~—(e) Print media;~~
- ~~—(f) Public relations;~~
- ~~—(g) Radio;~~
- ~~—(h) Television;~~
- ~~—(i) Film communication;~~
- ~~—(j) International communication;~~
- ~~—(k) Innovative communication; and~~
- ~~—(l) Special communication.~~
- ~~—2. The semester hours of credit required for a minor in communications and media must include course work in each of the areas listed in paragraphs (a) to (h), inclusive, of subsection 1.~~
- ~~—(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89)~~

~~**NAC 391.13072—Major or minor in construction technology. (NRS 391.019)**~~

- ~~—1. The semester hours of credit required for a major in construction technology must include course work in each of the following areas of study:~~
  - ~~—(a) A beginning course in industrial woodworking;~~
  - ~~—(b) An advanced course in industrial woodworking;~~
  - ~~—(c) Construction framing;~~
  - ~~—(d) Building construction;~~
  - ~~—(e) Reading blueprints;~~
  - ~~—(f) Home planning and design;~~
  - ~~—(g) Wiring houses;~~
  - ~~—(h) Plumbing;~~
  - ~~—(i) Cabinetmaking;~~
  - ~~—(j) Basic drafting; and~~
  - ~~—(k) Concrete drafting.~~
- ~~—2. The semester hours of credit required for a minor in construction technology must include course work in each of the areas listed in paragraph (a) to (h), inclusive, of subsection 1.~~
- ~~—(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89)~~

~~**NAC 391.13074—Major or minor in drafting and design technology. (NRS 391.019)**~~

- ~~—1. The semester hours of credit required for a major in drafting and design technology must include course work in each of the following areas of study:~~
  - ~~—(a) Beginning drafting;~~
  - ~~—(b) Intermediate drafting;~~
  - ~~—(c) Advanced drafting;~~
  - ~~—(d) Introduction to drafting assisted by computer;~~
  - ~~—(e) Drafting assisted by computer;~~
  - ~~—(f) Architectural and mechanical drafting;~~
  - ~~—(g) Reading blueprints;~~
  - ~~—(h) Inking and office practice in drafting;~~
  - ~~—(i) Scheduling construction cost;~~
  - ~~—(j) Beginning technical drafting;~~
  - ~~—(k) Intermediate technical drafting; and~~

- ~~—(l) Advanced technical drafting;~~
- ~~—2. The semester hours of credit required for a minor in drafting and design technology must include course work in each of the following areas of study:~~
- ~~—(a) Beginning drafting;~~
- ~~—(b) Intermediate drafting;~~
- ~~—(c) Introduction to drafting assisted by computer;~~
- ~~—(d) Drafting assisted by computer;~~
- ~~—(e) Home planning and design;~~
- ~~—(f) Architectural drafting; and~~
- ~~—(g) Mechanical drafting.~~
- ~~—(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89)~~

~~**NAC 391.13076 Major or minor in electronic technology. (NRS 391.019)**~~

- ~~—1. The semester hours of credit required for a major in electronic technology must include course work in each of the following areas:~~
- ~~—(a) Direct current and alternating current electronic theory;~~
- ~~—(b) Solid state electronics;~~
- ~~—(c) Digital and computer electronics;~~
- ~~—(d) Technical computer programming;~~
- ~~—(e) Industrial electronics;~~
- ~~—(f) Ultra high frequency and microwave;~~
- ~~—(g) General electronics;~~
- ~~—(h) Communications;~~
- ~~—(i) Servicing electronics; and~~
- ~~—(j) Microprocessors.~~
- ~~—2. The semester hours of credit required for a minor in electronic technology must include course work in each of the areas of study listed in paragraphs (a) to (f), inclusive, of subsection 1.~~
- ~~—(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89)~~

~~**NAC 391.13078 Major or minor in food service. (NRS 391.019)**~~

- ~~—1. The semester hours of credit required for a major in food service must include course work in each of the following areas of study:~~
- ~~—(a) Production of quantities of food and beverages;~~
- ~~—(b) Purchasing and storing of quantities of food and beverages;~~
- ~~—(c) Management of quantities of food and beverages;~~
- ~~—(d) Planning menus and nutrition;~~
- ~~—(e) Management and administration of food service systems;~~
- ~~—(f) Fast foods;~~
- ~~—(g) Baking;~~
- ~~—(h) Safety and sanitation; and~~
- ~~—(i) Management of personnel.~~
- ~~—2. The semester hours of credit required for a minor in food service must include course work in each of the areas of study listed in paragraphs (a) to (h), inclusive, of subsection 1.~~
- ~~—(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89)~~

~~**NAC 391.1308 — Major or minor in health occupations. (NRS 391.019)**~~

~~—1.— The semester hours of credit required for a major in health occupations must include course work in at least five of the following areas of study:~~

- ~~—(a) Dental health;~~
- ~~—(b) Medical laboratory services;~~
- ~~—(c) Nursing;~~
- ~~—(d) Emergency medical services;~~
- ~~—(e) Medical terminology;~~
- ~~—(f) Sports medicine or athletic training;~~
- ~~—(g) Environmental health;~~
- ~~—(h) Medical office services;~~
- ~~—(i) Health care supportive services;~~
- ~~—(j) Optical care services; and~~
- ~~—(k) Biomedical technology.~~

~~—2.— The semester hours of credit required for a minor in health occupations must include course work in at least five of the following areas of study:~~

- ~~—(a) Dental health;~~
- ~~—(b) Medical laboratory services;~~
- ~~—(c) Nursing;~~
- ~~—(d) Emergency medical services;~~
- ~~—(e) Medical terminology;~~
- ~~—(f) Sports medicine or athletic training;~~
- ~~—(g) Environmental health;~~
- ~~—(h) Medical office services; and~~
- ~~—(i) Health care supportive services.~~

~~(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89; A by R018-11, 10-26-2011)~~

~~**NAC 391.13082 — Major or minor in family and consumer sciences. (NRS 391.019)**—The semester hours of credit required for a major or minor in family and consumer sciences must include course work in each of the following areas of study:~~

- ~~—1.— Foods or culinary;~~
- ~~—2.— Nutrition;~~
- ~~—3.— Clothing and textiles;~~
- ~~—4.— Consumerism;~~
- ~~—5.— Housing environment or interior design;~~
- ~~—6.— Child development; and~~
- ~~—7.— Family relations.~~

~~(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89; A by R223-05, 2-23-2006)~~

~~**NAC 391.13086 — Major or minor in human services. (NRS 391.019)**~~

~~—1. The semester hours of credit required for a major in human services must include course work in each of the following areas of study:~~

- ~~—(a) Human growth and development;~~
- ~~—(b) Human sexuality;~~
- ~~—(c) Adult development and aging;~~
- ~~—(d) Persons with special needs;~~
- ~~—(e) Nutrition for persons with special needs;~~
- ~~—(f) Curriculum and methods of human services;~~
- ~~—(g) Issues facing families;~~
- ~~—(h) Administration of human services; and~~
- ~~—(i) Human relationships.~~

~~—2. The semester hours of credit required for a minor in human services must include course work in each of the areas of study listed in paragraphs (a) to (f), inclusive, of subsection 1.~~

~~—(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89)~~

~~**NAC 391.13088 — Major or minor in industrial arts. (NRS 391.019)**~~

~~—1. The semester hours of credit required for a major in industrial arts must include course work in each of the following areas of study:~~

- ~~—(a) Construction;~~
- ~~—(b) Manufacturing products;~~
- ~~—(c) Electricity and electronics;~~
- ~~—(d) Drafting and design;~~
- ~~—(e) Visual communications; and~~
- ~~—(f) Energy power and transportation.~~

~~—2. The semester hours of credit required for a minor in industrial arts must include course work in each of the areas of study listed in paragraphs (a) to (e), inclusive, of subsection 1.~~

~~—(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89)~~

~~**NAC 391.1309 — Major or minor in manufacturing technology. (NRS 391.019)**~~

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

- ~~—(a) Acetylene welding;~~
- ~~—(b) Electric arc welding;~~
- ~~—(c) Machine tool operation;~~
- ~~—(d) Metal fabrication-arc;~~
- ~~—(e) Metal fabrication;~~
- ~~—(f) Industrial metals;~~
- ~~—(g) Reading blueprints;~~
- ~~—(h) Basic metals;~~
- ~~—(i) Welding design and layout;~~
- ~~—(j) Inspection testing;~~
- ~~—(k) Advanced arc welding; and~~
- ~~—(l) GTAW (TIG) and GMAW (MIG) welding.~~

~~—2. The semester hours of credit required for a minor in manufacturing technology 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.~~

~~—(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89)~~

~~**NAC 391.13092 Major in marketing education. (NRS 391.019)**~~

~~—1. The semester hours of credit required for a major in marketing education must include course work in each of the following areas of study:~~

~~—(a) Retail management or merchandising;~~

~~—(b) Marketing;~~

~~—(c) Management;~~

~~—(d) Market research;~~

~~—(e) Internet marketing;~~

~~—(f) International marketing; and~~

~~—(g) Economics.~~

~~—2. In addition to the requirements of subsection 1, the semester hours of credit required for a major in marketing education may include course work in one or more of the following areas of study:~~

~~—(a) Business administration;~~

~~—(b) Business law;~~

~~—(c) Professional sales;~~

~~—(d) Entrepreneurship; or~~

~~—(e) Advertising.~~

~~—(Added to NAC by Comm'n on Prof. Standards in Education, eff. 9-1-89; A by R018-11, 10-26-2011)~~

~~**NAC 391.13094 Major or minor in technology education: Requirements. (NRS 391.019)** Except as otherwise provided in **NAC 391.13098:**~~

~~—1. The 36 semester hours of credit required for a major in technology education must include:~~

~~—(a) At least 6 semester hours of credit in communication technology, including, without limitation:~~

~~—(1) Electronic publishing;~~

~~—(2) Lasers and fiber optics;~~

~~—(3) Microcomputers;~~

~~—(4) Electronics;~~

~~—(5) Graphic communications;~~

~~—(6) Telecommunications; and~~

~~—(7) Drafting and design assisted by computer;~~



- ~~—(b) At least 6 semester hours of credit in energy, power and transportation, including, without limitation:
  - ~~—(1) Alternative sources of energy;~~
  - ~~—(2) Electricity;~~
  - ~~—(3) Automotive and small engines;~~
  - ~~—(4) Systems of transportation; and~~
  - ~~—(5) Systems of fluid power;~~~~
- ~~—(c) At least 6 semester hours of credit in manufacturing technology, including, without limitation:
  - ~~—(1) Processing of materials, including, without limitation, woods, plastics and metals;~~
  - ~~—(2) Systems of manufacturing assisted by computer;~~
  - ~~—(3) Robotics; and~~
  - ~~—(4) Machine tool technology; and~~~~
- ~~—(d) At least 6 semester hours of credit in construction technology, including, without limitation:
  - ~~—(1) Building construction;~~
  - ~~—(2) Welding and metal fabrication; and~~
  - ~~—(3) Engineering.~~~~
- ~~2. The 24 semester hours of credit required for a minor in technology education must include course work in each of the following areas of study:
  - ~~—(a) Communications technology;~~
  - ~~—(b) Energy, power and transportation;~~
  - ~~—(c) Manufacturing technology; and~~
  - ~~—(d) Construction technology.~~~~
- ~~—(Added to NAC by Comm'n on Prof. Standards in Education by R180-97, eff. 3-31-98)~~

**~~NAC 391.13096 Major or minor in technology education: Exemption of teachers from requirements. (NRS 391.019)~~**

- ~~—1. Before the commencement of each school year, the superintendent of schools of a school district, the administrative head of a charter school or the executive head of a private school may submit to the Department a request for an exemption from the requirements of NAC 391.13094 on behalf of a licensed teacher who teaches in the school district, charter school or private school. A request for an exemption must include proof that the licensed teacher:
  - ~~—(a) Holds a valid secondary or special license, including, without limitation, a secondary or special license with a business and industry endorsement;~~
  - ~~—(b) Satisfactorily taught in a program of technology education pursuant to a contract at least one class period per day during the 1997 to 1998 school year or the 1998 to 1999 school year, or both; and~~
  - ~~—(c) Has maintained continuous service as a teacher of technology education in this State.~~~~
- ~~→ An exemption granted by the Department is valid for 1 school year and may be renewed annually if a request is submitted in accordance with this subsection.~~
- ~~—2. On or before October 1 of each year, the superintendent of schools of each school district, the administrative head of each charter school and the executive head of each private school shall submit to the Superintendent of Public Instruction a list of the licensed teachers who teach in the school district, charter school or private school for whom the Department has approved a request for an exemption for the current school year.~~
- ~~—(Added to NAC by Comm'n on Prof. Standards in Education by R180-97, eff. 3-31-98; A by R070-06, 9-18-2006)~~

~~NAC 391.13098 Major or minor in technology education: Application for endorsement without satisfying requirements. (NRS 391.019)~~

~~—1. A person who holds a valid secondary license to teach with an endorsement in industrial arts may apply for an endorsement in technology education without satisfying the requirements of NAC 391.13094 if:~~

~~—(a) The person submits an application for an endorsement to the Department accompanied by the appropriate fee;~~

~~—(b) The person submits proof that he or she satisfactorily taught in a program of technology education pursuant to a contract at least one class period per day during the 1997 to 1998 school year or the 1998 to 1999 school year, or both; and~~

~~—(c) The Department receives the person's application on or before June 30, 1999.~~

~~—2. A person who holds a valid secondary license to teach in any subject area may apply for an endorsement in technology education without satisfying the requirements of NAC 391.13094 if:~~

~~—(a) The person submits an application for an endorsement to the Department accompanied by the appropriate fee;~~

~~—(b) The person submits proof that he or she satisfactorily taught in a program of technology education pursuant to a contract at least one class period per day for at least 3 school years during 1992 to 1999; and~~

~~—(c) The Department receives the person's application on or before June 30, 1999.~~

~~—(Added to NAC by Comm'n on Prof. Standards in Education by R180-97, eff. 3-31-98)~~