

# PROPOSED REGULATION OF THE COMMISSION ON PROFESSIONAL STANDARDS IN EDUCATION

## LCB File No. R153-15

NAC 391.13043 **Major or minor in mathematics.** (NRS 391.019)

1. A comprehensive major in mathematics consists of 36 semester hours of credit which must include:

- (a) At least 9 semester hours of credit in calculus courses.
- (b) In addition to the semester hours required by paragraph (a), at least 27 semester hours of credit in courses involving:

- (1) Probability or statistics;
- (2) Number theory ~~for numerical analysis~~;
- (3) Linear algebra;
- (4) Abstract or modern algebra;
- (5) Finite mathematics or discrete processes; and
- (6) If necessary to complete 27 semester hours of credit:
  - (I) The history of mathematics;
  - (II) Euclidean geometry;
  - (III) Non-Euclidean geometry;
  - (IV) Mathematical computer applications, data structures or programming;
  - (V) Differential equations; ~~and~~
  - (VI) Real number analysis~~+~~ ;
  - (VII) Multivariate calculus;*
  - (VIII) Numerical analysis; and*
  - (IX) Logic or methods of mathematical proof.*

2. A person who holds a bachelor's degree or a higher degree with a major in mathematics that was conferred by a regionally accredited college or university shall be deemed to have qualified for a comprehensive major in mathematics if he or she has satisfied the requirements of NAC 391.120.

3. A recipient of a comprehensive major in mathematics may teach in grades 7 to 12, inclusive, any course in mathematics included in the course of study adopted by the Board.

4. A comprehensive minor in mathematics consists of 24 semester hours of credit which must include:

- (a) At least 6 semester hours of credit in calculus courses.
- (b) In addition to the semester hours required by paragraph (a), at least 18 semester hours of credit in courses involving:
  - (1) Probability or statistics;
  - (2) Finite mathematics, discrete mathematics, *or* number theory ~~for numerical analysis~~;
  - (3) Linear, abstract or modern algebra; and
  - (4) If necessary to complete 18 semester hours of credit:
    - (I) Multivariate calculus;
    - (II) The history of mathematics;
    - (III) Differential equations;
    - (IV) Real number analysis;

- (V) Euclidean geometry;
- (VI) Non-Euclidean geometry; ~~and~~
- (VII) Mathematical computer applications, data structures or programming~~+~~;
- (VIII) Numerical analysis; and*
- (IX) Logic or methods of mathematical proof.*

5. A person who holds a bachelor's degree or a higher degree with a minor in mathematics that was conferred by a regionally accredited college or university shall be deemed to have qualified for a comprehensive minor in mathematics if he or she has satisfied the requirements of NAC 391.120.

6. A recipient of a comprehensive minor in mathematics may teach in grades 7 to 12, inclusive, any course in mathematics included in the course of study adopted by the Board up to and including Algebra II and Geometry I.

7. A person who received an endorsement to teach mathematics before January 14, 1998, but who has not fulfilled the requirements for calculus, may teach in grades 7 to 12, inclusive, any course in mathematics included in the course of study adopted by the Board up to and including Algebra II and Geometry I.

8. A person who receives an endorsement to teach mathematics on or after January 14, 1998, must complete a course in the methods of teaching mathematics to renew the endorsement.

(Added to NAC by Comm'n on Prof. Standards in Education, eff. 1-11-96; A by R094-97, 1-14-98; R189-99, 3-13-2000; R093-02, 11-13-2002; R127-05, 12-29-2005)