LCB File No. R093-02

PROPOSED REGULATION OF THE COMMISSION ON PROFESSIONAL STANDARDS IN EDUCATION

Explanation: Matter in ***Italics*** is new; matter in brackets ~~[-]~~ is material to be omitted.
Statutory Authority: NRS 391.019

Section 1. Chapter 391 of NAC is hereby amended as follows:

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 27 semester hours of credit in courses in methods of teaching mathematics and courses involving:
(1) Euclidean and noneuclidean geometry;
(2) Probability or combinatorics;
(3) The theory of numbers and solving problems;
(4) Computer application and programming;
(5) Statistics or data analysis;
(6) Linear algebra;
(7) Abstract or modern algebra;
(8) Finite mathematics or discrete processes; and
(9) If necessary to complete 27 semester hours of credit:
(I) The history of mathematics;
(II) Numerical analysis;
(III) An analysis of the real numbers system;
(IV) Differential equations; and
(V) Data structures and advance programming.
(b) At least 9 semester hours of credit in courses involving:
(1) Differential calculus;
(2) Integral calculus; and
(3) Multivariable calculus.
2. 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.
3. A comprehensive minor in mathematics consists of 24 semester hours of credit in courses in methods of teaching mathematics and courses involving:
(a) Euclidean and noneuclidean geometry;
(b) Probability or combinatorics;
(c) The theory of numbers and solving problems;
(d) Computer application and programming;
(e) Statistics or data analysis;
(f) Differential calculus; and
(g) If necessary to complete 24 semester hours of credit:

(1) Integral calculus;
(2) Multivariable calculus;
(3) The history of mathematics;
(4) Finite mathematics or discrete processes;
(5) Linear algebra;
(6) Abstract and modern algebra;
(7) Differential equations; and
(8) Data structures and advance programming.

4. 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.

5. ***A person holding a bachelor's or higher degree with a major in mathematics conferred by a regionally accredited college or university, in addition to meeting the secondary license qualifications identified in NAC 391.120, shall qualify for a comprehensive major endorsement in mathematics.***

6. A person holding a bachelor's or higher degree with a minor in mathematics conferred by a regionally accredited college or university, in addition to meeting the secondary license qualifications identified in NAC 391.120, shall qualify for a comprehensive minor endorsement in mathematics.

~~[5.]~~ ***7.*** To renew a comprehensive major or minor in mathematics, the holder must complete at least 6 semester hours of course work before the endorsement expires.

~~[6.]~~ ***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.