PROPOSED REGULATION OF THE COMMISSION ON

PROFESSIONAL STANDARDS IN EDUCATION

LCB File No. R093-02

June 25, 2002

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

AUTHORITY: §1, NRS 391.019.

Section 1. NAC 391.13043 is hereby amended to read as follows:

391.13043 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 advanced programming.

(b) At least 9 semester hours of credit in courses involving:

(1) Differential calculus;

(2) Integral calculus; and

(3) Multivariable calculus.

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 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.

~~[3.]~~ ***4.*** 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 advanced programming.

~~[4.]~~ ***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 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.

~~[5.]~~ ***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.

~~[6.]~~ ***8.*** 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.

~~[7.]~~ ***9.*** 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.