

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

LCB File No. R189-99

November 23, 1999

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 ~~[advance]~~ *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 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]~~ *advanced* 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 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. 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.]~~ 7. 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.