I. **Required Mathematics Courses (16 hours).**

A. Calculus:
   - MATH 1205 Calculus 3 ( )
   - MATH 1206 Calculus 3 ( )
   - MATH 1224 Vector Geometry 2 ( )
   - MATH 2224 Multivariable Calculus 3 ( )

B. Linear Algebra, ODE's:
   - MATH 1114 Elementary Linear Algebra 2 ( )
   - MATH 2214 Intro. to Differential Equations 3 ( )

II. **Math Electives (9 hours).**

Any 9 hours of MATH courses numbered 3000 or higher with the following exceptions.

- MATH 2534 Intro. to Discrete Mathematics (3) may be used.
- The following may not be used:
  - MATH 3054 Programming For Mathematical Problem Solving (3)
  - MATH 4044 History Of Mathematics (3)
  - MATH 4625, 4626 Mathematics For Secondary Teachers (3)
  - MATH 4644 Secondary School Mathematics With Technology (3)
  - MATH 4654 Capstone Thesis And Seminar (3)
  - MATH 4664 Senior Math Education Seminar (3)
  - MATH 4974 Independent Study (3)
  - MATH 4994 Undergraduate Research (3).

- MATH 4984 Special Study may be used only if permission is granted by the associate head for undergraduate students.

   _____ 3 ( )   _____ 3 ( )   _____ 3 ( )

**Note:** Enrollment opportunities in some of these courses may be limited for nonmajors.

III. **Total Hours.** 25 semester credits required.

IV. **Minimum GPA.** The courses used to satisfy the minor requirements must be completed with a combined GPA of 2.0 or higher.

**Note:** Course duplications or nonmathematics substitutions are not acceptable in lieu of the specific courses indicated above.