I.  CORE CURRICULUM....................................................................................................................................................44

Math 1110 will meet the math requirement.

II.  MAJOR REQUIREMENTS........................................................................................................................................59-60

2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major department, plus any other courses under II.

A.  Mathematics Common Core (14-15 hours)

MAT 1110 _____ (4) Calculus with Analytic Geometry I (ND)
MAT 1120 _____ (4) Calculus with Analytic Geometry II (ND)
MAT 2240 _____ (3) Introduction to Linear Algebra (C)
Choose one:
MAT 2110 _____ (3) Techniques of Proof (W)
MAT 2510 _____ (4) Sophomore Honors Thesis

B.  General Mathematics Concentration (28 hours)

MAT 2130 _____ (4) Calculus with Analytic Geometry III (ND)
MAT 2310 _____ (3) Computational Mathematics (C)
MAT 3130 _____ (3) Introduction to Differential Equations
MAT 4310 _____ (3) Numerical Methods (ND, C)
STT 3850 _____ (4) Statistical Data Analysis I (ND, C)

Choose one:
MAT 3110 _____ (3) Introduction to Modern Algebra (W)
MAT 3220 _____ (3) Introduction to Real Analysis (W)

8 hours of approved electives** in mathematical sciences (3 hours must be at 4000 level)

C.  A Physical Sciences Concentration (17 hours)

PHY 2010 _____ (4) Intermediate Physics I
PHY 2020 _____ (4) Intermediate Physics II
PHY 3210 _____ (3) Modern Physics I

3 hours of approved electives** in physics at or above 2000 level

3 hours of approved electives** in physics or technology

**Must be approved by advisory committee.

III.  MINOR (optional)

IV.  ELECTIVES (taken to total 122 hours for the degree) ...........................................................................................18-19

2 semester hours of free electives must be outside the major discipline.