

I. CORE CURRICULUM..... 44
Math 1110 will meet the math requirement.

II. MAJOR REQUIREMENTS65-66
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 Computation Concentration (28 hours)**
 MAT 2310 _____ (3) Computational Mathematics (C)
 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) Intro to Real Analysis I (W)

15 hours of approved electives** in mathematical sciences (at least 3 hours at the 4000 level)

- C. A Computational Concentration (14 hours)**
 C S 1440 _____ (4) Computer Science I (C)
 C S 2440 _____ (4) Computer Science II (C)
 C S 3430 _____ (3) Introduction to Database Systems (C)
 C S 3460 _____ (3) Data Structures (C)

D. Electives: 9 hours** of Approved courses in the sciences, which may include computer science

**Must be approved by advisory committee.

III. MINOR (optional)

<u>Major Designators</u>	
2 Writing (W)	_____
1 Speaking (S)	_____
Certified Proficiency in Communication (CPC)	_____
See Department Chair for CPC requirements	
<u>Other Designators</u>	
4 Writing (W)	_____
4 Multi Cultural (MC)	_____
2 Numerical Data (ND)	_____
2 Computer (C)	_____
1 Cross Disciplinary (CD)	_____

IV. ELECTIVES (taken to total 122 hours for the degree)12-13
2 semester hours of free electives must be outside the major discipline. **122**