

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

**II. MAJOR REQUIREMENTS .....63-64**  
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 (24 hours)**  
 MAT 2130 \_\_\_\_\_ (4) Calculus with Analytic Geometry III (ND)  
 MAT 2310 \_\_\_\_\_ (3) Computational Mathematics (C)  
 MAT 3130 \_\_\_\_\_ (3) Introduction to Differential Equations  
 MAT 3220 \_\_\_\_\_ (3) Introduction to Real Analysis (W)  
 MAT 4310 \_\_\_\_\_ (3) Numerical Methods (ND, C)

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

---

- C. Statistics Concentration (25 hours)**  
 STT 3850 \_\_\_\_\_ (4) Statistical Data Analysis I (ND, C)  
 STT 3851 \_\_\_\_\_ (3) Statistical Data Analysis II  
 STT 4860 \_\_\_\_\_ (3) Probability Models & Statistical Inference I  
 STT 4865 \_\_\_\_\_ (3) Statistical Inference II

3 hours of approved statistics electives\*\* at or above STT 3830 (excluding STT 4811 and 4812)

---

9 hours of approved electives\*\* in related coursework which may include courses from outside mathematical sciences

---

\*\*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) .....14-15**  
2 semester hours of free electives must be outside the major discipline. **122**