

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

II. MAJOR REQUIREMENTS65-71
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; 6 hours must be at 4000 level, 3 hours of which must be MAT)

- MAT 2310 _____ (3) Computational Mathematics (C)
- MAT 3130 _____ (3) Introduction to Differential Equations
- MAT 3220 _____ (3) Introduction to Real Analysis (W)
- MAT 3350 _____ (3) Introduction to Mathematical Biology (CD)
- STT 3850 _____ (4) Statistical Data Analysis I (ND, C)

Choose one:

- MAT 4310 _____ (3) Numerical Methods (ND, C)
- STT 3851 _____ (3) Statistical Data Analysis II

9 hours of approved electives** in mathematical sciences

**Must be approved by advisory committee.

C. A Life Sciences Concentration (23-28 hours)

- CHE 1101 _____ (3) Introductory Chemistry I (ND)
- CHE 1110 _____ (1) Introductory Chemistry I Lab
- CHE 1102 _____ (3) Introductory Chemistry II (ND)
- CHE 1120 _____ (1) Introductory Chemistry II Lab
- CHE 2201 _____ (3) Organic Chemistry I
- CHE 2203 _____ (1) Organic Chemistry I Lab
- BIO 1110 _____ (4) Concepts of Biology
- or both BIO 1101 _____ (4) Introduction to Life Science I (ND)
- and BIO 1102 _____ (4) Introduction to Life Science II (ND)

Choose two:

- BIO 3302 _____ (4) Ecology (ND, C)
- BIO 3306 _____ (3) Genetics (ND)
- BIO 3800 _____ (4) Molecular Biology (W, ND, C)
- BIO 4100 _____ (4) Cell Biology

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)7-13
2 semester hours of free electives must be outside the major discipline. **122**