

I. CORE CURRICULUM 44 Math 1110 will count toward math requirement.

II. MAJOR REQUIREMENTS59-60

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.

Course requirements for the Bachelor of Science degrees in mathematical sciences (non-teaching) are as follows (with program subject to the approval of the advisory committee). An acceptable program of at least 65 semester hours but no more than 80, with a minimum of 34 hours in the Department of Mathematical Sciences.

A. Mathematics (15 hours)

- MAT 1110 (4) Calculus w/ Analytic Geometry I (ND)
MAT 1120 (4) Calculus w/ Analytic Geometry II (ND)
MAT 2130 (4) Calculus w/ Analytic Geometry III (ND)
MAT 2240 (3) Introduction to Linear Algebra (C)

B. Statistics (17-18 hours)

- STT 3820 (3) Statistical Methods I (ND, C) OR STT 3850 (4) Statistical Data Analysis I (ND, C)
STT 3830 (3) Statistical Methods II (ND, C) OR STT 3851 (3) Statistical Data Analysis II
STT 4830 (3) Linear Regression Models (W, ND, C)
STT 4860 (3) Probability Models & Statistical Inference I
STT 4865 (3) Statistical Inference II
STT 4870 (2) Senior Seminar in Statistics (W, S)

C. Select one (3 hours)

- STT 3840 (3) Elementary Probability and Survey Sampling (W)
STT 4820 (3) Design and Analysis of Experiments (W)

D. Six hours of approved electives** in Mathematical Sciences and 6 hours of related* coursework.

E. A "concentration" of at least 18 semester hours from disciplines outside mathematical sciences.**

*Related coursework may be outside mathematical sciences and must be approved by advisory committee

** Must be approved by advisory committee.

III. MINOR (optional)

Major Designators
2 Writing (W)
1 Speaking (S)
Certified Proficiency in Communication (CPC)
Other Designators
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)18-19
2 semester hours of free electives must be outside the major discipline 122