Bachelor of Science (BS) Degree Code 260* **Concentration Code 260H** **Program of Study for Mathematical Sciences Majors STATISTICS**

ı.	GENERAL EDUCATION CURRICULUM44
	Math 1110 will meet the Quantitative Literacy general education requirement.
II.	MAJOR REQUIREMENTS (not including 4 s.h. counted in Area I, above)
A.	Mathematics Common Core (14-15 hours)
	MAT 1110 (4) Calculus with Analytic Geometry I (Pre: MAT 1025 w/min grade C-)
	MAT 1120 (4) Calculus with Analytic Geometry II (Pre: MAT 1110 w/min grade C-)
	MAT 2240 (3) Introduction to Linear Algebra (Pre: MAT 1120)
	Choose one:
	MAT 2110 (3) Techniques of Proof (Pre: MAT 1120)
	MAT 2510 (4) Sophomore Honors Seminar (Pre: MAT 1120)
В.	General Mathematics Concentration (25-26 hours)
	MAT 2130 (4) Calculus with Analytic Geometry III (Pre: MAT 1120 w/min grade C-)
	MAT 2310 (3) Computational Mathematics (Pre: MAT 1120)
	MAT 3130 (3) Introduction to Differential Equations (Pre: MAT 1120)
	MAT 3220 (3) Introduction to Real Analysis [WID] (Pre: ENG 2001, MAT 2110 or 2510)
	MAT 4310 (3) Numerical Methods (<i>Pre: MAT 2310</i>)
	Choose one:
	MAT 4040 (1) Mathematics Capstone [CAP] (Pre: Sr. standing)
	MAT 4510 (1) Senior Honors Thesis [CAP] (Pre: MAT 3510; 3.45+ GPA in math)
	6-9 hours of approved electives** in mathematical sciences to bring total hrs in AREA II to 65 (3 hours must be at 4000 level)
C.	Statistics Concentration (25 hours)
	STT 3850 (4) Statistical Data Analysis I (Pre: MAT 1110)
	STT 3851 (3) Statistical Data Analysis II [WID] (<i>Pre: ENG 2001, STT 3850</i>)
	STT 4860 (3) Probability Models & Statistical Inference I (Pre: MAT 2130)
	STT 4865 (3) Statistical Inference II (Pre: STT 4860)
	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)

122