MATHEMATICS—Applied Statistics
Bachelor of Science (B.S.)

Requirements for Major: At least 40 credit hours in the department, including:

	MA 151 Calculus and Analytic Geometry I (5)
	MA 152 Calculus and Analytic Geometry II (5)
	MA 253 Calculus and Analytic Geometry III (3)
	MA 301 Linear Algebra (3)
	MA 340 ANOVA/ Design of Experiments (3)
	MA 341 Nonparametric Tests/Quality Control (3)
	MA 342 Statistical Computing (3)
	MA 344 Mathematical Statistics I (3)
	MA 345 Mathematical Statistics II (3)
	MA 346 Regression Analysis (3)
	MA 347 Stochastic Processes (3)
	MA 348 Time Series Analysis (3)

Required Computer Information Sciences courses:

	CM 111 Introduction to Structured Programming (4)
	CM 245 Contemporary Programming Methods (3)
	CM 307 Data Structures (3)
	CM 332 Data Mining (3)
	CM 336 Database Management (3)

Required Concentration—30 credit hours:

	The B.S. degree requires a 30-hour concentration in the Natural Sciences (Biology, Chemistry, Mathematics & Statistics, Physics & Astronomy, or Computer Information Science). These courses must be in departments other than the major, with at least 20 hours in one department.

General Education Distribution Requirements (BS):

Humanities (9) (GEHU/GECPA) (Max 6 hours/discipline)	**Social Sciences (9) (GESS) (Max 6 hours/discipline)**	***Natural Sciences/Mathematics (9) (GENS) (Max 8 Hours or 2 Courses/Discipline)**
Fine Arts (3)	Soc. Science 1 (3)	Nat. Science 1 (3-5)
Humanities 2 (3)	Soc. Science 2 (3)	Nat. Science 2 (3-5)
Humanities 3 (3)	Soc. Science 3 (3)	Nat. Science 3 (3-5)

*Math courses do not count toward General Education for a Mathematics major.

Core University/BS-Specific Requirements:

WU 101 (3)* C or Better		Total Hours (120)	
EN 101 (3) C or Better		Hours Outside Major (72)	
EN 300 (3) C or Better		Upper Division (300 and above) (45)	
MA 112 or MA 116 (3)** C or Better		Hours Within Arts and Sciences (84)	
>= 2.0 Overall Cumulative GPA		>= C Grade All Major and Correlated Courses	

**Students transferring with 24 or more credit hours completed at an accredited post-secondary institution (after graduating from High School) with a GPA of 2.0 or higher are exempt from this requirement*

***May be waived if the student successfully places into a higher-level mathematics course with an ACT score of 25 or higher and then successfully completes that course with a grade of C or higher or if a student presents an ACT score in mathematics of at least 28 (SAT of at least 640).*