

College of Basic and Applied Sciences
Upper Division Form Fall 2018-2019 Catalog

Student name _____ Student # _____

Major **MATHEMATICS** Minor _____ (Optional)

Concentration **PROFESSIONAL MATH – STATISTICS TRACK** E-mail _____

Instructions: For students graduating in Fall 2018 or later. One (1) copy signed by major and minor advisors should be filed in DSB 120 three semesters before anticipated graduation. An Intent to Graduate form should also be filed in DSB 120 at the time of Upper Division Form submission.

General Education	Course	Semester	Grade	Prerequisites/Notes	Credit Hours
COMMUNICATION (9 hours)	ENGL 1010			Must earn a grade of C- or better	3
	ENGL 1020			Must earn a grade of C- or better	3
	COMM 2200				3
HISTORY (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030					3
					3
HUMANITIES AND/OR FINE ARTS (9 hours) Choose one: ENGL 2020, 2030, HUM 2610. Choose two (different rubrics): ANTH 2210, ART 1030 or 1920, DANC 1000, HIST 1010, 1020, 1110, 1120, MUS 1030, PHIL 1030, THEA 1030					3
					3
					3
MATHEMATICS (3 hours)	MATH 1910			Must first have MATH 1730 (Pre-Calculus) with a grade of C or better, Math ACT of 26 or better, or Calculus placement test score of 73 or better. Also considered part of the major.	3 of 4
NATURAL SCIENCES (8 hours) Choose two (different rubrics): ASTR 1030/1031, BIOL 1030/1031, BIOL 1110/1111, BIOL 2010/2011, BIOL 2020/2021, CHEM 1010/1011, CHEM 1030/1031, CHEM 1110/1111, GEOL 1030/1031, GEOL 1040/1041, PGEO 1030, PHYS 1110, PHYS 2010/2011, PHYS					4
					4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two: AAS 2100, ANTH 2010, ECON 2410, ECON 2420, GEOG 2000, GS 2010, HLTH 1530/1531, EMC/JOUR/RIM 1020, PS 1010, PS 1005, PSY 1410, RS 2030, SOC 1010, SOC 2010, WGST 2100					3
					3
Hours Required					41

Major Courses - Grade of C (2.0) or better required in each course	Course	Semester	Grade	Prerequisites/Notes	Credit Hours
Calculus I	MATH 1910			MATH 1730 with a grade of C or better, Math ACT of 26 or better, or Calculus placement test score of 73 or better (Three hours counted in Gen. Ed. All 4 hours are also considered part of the major.)	1 (+3)
Calculus II	MATH 1920			MATH 1910 with a grade of C or better	4
Elements of Linear Algebra	MATH 2010			MATH 1910	3
Probability and Statistics	MATH 2050			MATH 1910	3
Calculus III	MATH 3110			MATH 1920	4
Foundations of Higher Mathematics	MATH 3460			MATH 1920	3
Statistics Track					
Computer Science I	CSCI 1170			MATH 1730 with a C or higher or ACT MATH of 26	4
Computer Science II	CSCI 2170			CSCI 1170 and eligibility for MATH 1910	4
Data Analysis	MATH 2110			MATH 2050	1
Applied Statistics II	MATH 2530			MATH 2050	3

Statistics Track, Continued					
Seminar in Mathematics	MATH 4990			Should be taken in final semester	3
Mathematical Statistics I (Fall only)	STAT 3150			MATH 1920	3
Mathematical Statistics II (Spring only)	STAT 4190			STAT 3150	3
Choose 3 courses from STAT 4200, 4320, 4360, 4370, 4380, 4600 (See department schedule of course offerings)	STAT ____			See online catalog for prerequisites	
	STAT ____			See online catalog for prerequisites	
	STAT ____			See online catalog for prerequisites	
Hours Required					48 (51)

Supporting and Elective Courses - Grade of C (2.0) or better required in each supporting course				
Course	Semester	Grade	Notes	Credit Hours
Advisor-approved relevant courses			Courses chosen with approval of statistics Advisor include computing, information Systems, and other relevant courses	6
Electives (at least 20 credits must be earned at 3000/4000 level)				25
Hours Required				31

Minor (optional)				
Course	Semester	Grade	Notes	Credit Hours
Hours Required				
Signed:				
	Minor Advisor			Date

1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.
2. Learning Support courses do not count toward the 120-hour requirement or cumulative degree GPA.

Signed:		
	Major Advisor	Date