

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

Student name _____ Student # _____
 Major **MATHEMATICS** Minor _____ (Optional)
 Concentration **PROFESSIONAL MATH – BUSINESS 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. The 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 2110/2111, PSCI 1030/1031, PSCI 1130/1131					4
					4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose one: AAS 2100, ANTH 2010, 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	ECON 2410			Must earn a grade of C or better	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
Calculus III	MATH 3110			MATH 1920	4
Elements of Linear Algebra	MATH 2010			MATH 1910	3
Foundations of Higher Mathematics	MATH 3460			MATH 1920	3
Regression Analysis STAT 4360 or Stat for Forecasting STAT 4200 (See department schedule of course offerings)	STAT _____			STAT 4360: MATH 2050 or BIA 3620 STAT 4200: STAT 4190	3
Mathematical Stat. I STAT 3150 or Prob. & Stat. MATH 2050 (STAT 3150 is offered in the Fall only)	_____			STAT 3150: MATH 1920 MATH 2050: MATH 1910	3
Mathematical Statistics II (Spring only)	STAT 4190			STAT 3150	3
ACSI 4200 or MATH 4200 (Fall only)	_____ 4200			MATH 1920	3
6 hours of ACSI or STAT electives chosen from : ACSI 4220, 4230, 4630, 4640; STAT 4320, 4380 (See department schedule of course offerings)	_____			See online catalog for prerequisites	3
	_____			See online catalog for prerequisites	3
Hours Required					33 (36)

Supporting and Elective Courses - Grade of C (2.0) or better required in each course				
Course	Semester	Grade	Prerequisites/Notes	Credit Hours
ECON 2420				3
11 hours of CSCI/INFS/BIA electives (see notes)			Examples: CSCI 1170, 2170; INFS 2200, 3200, 3500, 4790, 4830; BIA 4010; See online catalog for prerequisites	11
ACTG 2110/2120 or 3000			ACTG 2110: college level math course, ENGL 1010, sophomore standing/ ACTG 2120 Prereq: ACTG 2110 ACTG 3000: college level math course, ENGL 1010, sophomore standing	3-6
MATH 4990 Seminar in Mathematics			Should be taken in final semester	3
Hours Required				20

Electives (at least 8 credits must be taken at the 3000/4000 level)				
Course	Semester	Grade	Notes	Credit Hours
Hours Required				26

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