College of Basic and Applied Sciences
Upper Division Form Fall 2015-2016 Catalog

Student name _____   Student # _____

Major   **MATHEMATICS**   Minor _____

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

General Education	Course	Semester	Grade	Notes	Credit Hours
COMMUNICATION (9 hours)	ENGL 1010				3
	ENGL 1020				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			Will need 1730 Pre-Calculus first if do not have a 26 Math subscore on ACT. Also considered part of the major.	3 of 4
NATURAL SCIENCES (8 hours) Choose one: 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, PSCI 1030/1031,PSCI 1130/1131	PHYS 2110/2111				4
					4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two: AAS 2100, ANTH 2010, ECON 2410, 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 (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
Calculus I	MATH 1910			Three hours counted in Gen. Ed. All 4 hours are also considered part of the major.	1 (+3)
Calculus II	MATH 1920				4
Elements of Linear Algebra	MATH 2010				3
Calculus III	MATH 3110				4
Differential Equations I	MATH 3120				3
STAT 3150 – Mathematical Stat. I **or** **MATH 2050** – Prob. & Stat.					3
Differential Equations II	MATH 3260				3
Foundations of Higher Mathematics	MATH 3460				3
Theory of Calculus	MATH 4250				3
Numerical Analysis I	MATH 4310				3
Advisor approved Math elective	____ ____				3
				Hours Required	33 (36)

Revised 4.20.2015

Supporting and Elective Courses (Grade of C or better required for Supporting Courses)				
Course	Semester	Grade	Notes	Credit Hours
PHYS 2120/2121 (recommended)				4
MATH 4990 Seminar in Mathematics				3
Complete 9 hours from : MATH 4230, 4270, 4320, 4601, 4700; STAT 4190				3
				3
				3
CSCI 1170 (can be counted toward CSCI minor)				4
CSCI 2170 (can be counted toward CSCI minor)				4
			Hours Required	24

Electives (at least 8 must be earned at the 3000/4000 level)				
Course	Semester	Grade	Notes	Credit Hours
			Hours Required	22

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