

**College of Basic and Applied Sciences
Upper Division Form 2009-2011 Catalog**

Student name _____ Student # _____
 Major MATHEMATICS Minor Secondary Education
 Concentration MATHEMATICS EDUCATION E-mail _____

Instructions: For students graduating in Fall 2009 or later. *One (1) copy signed by major and minor advisors should be filed in Jones Hall 115 three semesters before anticipated graduation. An Intent to Graduate form should also be filed in Jones Hall 115 at the time of Upper Division Form submission.*

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, 1910, 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 (+1)
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, CHEM 1130/1131 (same as PHYS 1130/1131), GEOL 1030/1031, GEOL 1040/1041, PHYS 1110, PHYS 1130/1131 (same as CHEM 1130/1131), PHYS 2010/2011, PHYS 2110/2111, PSCI 1030/1031					4
					4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose one: AAS 2100, ANTH 2010, ECON 2410, GEOG 2000, GS 2010, HLTH 1530/1531, EMC/JOUR/RIM 1020, PS 1010, PS 2010, PSY 1410, SOC 1010, SOC 2010, WMST 2100					3
					3
Hours Required					41

Major Courses (Grade of C or better required for Major Courses) (2.5 GPA pre-requisite for Directed Teaching)	Course	Semester	Grade	Notes	Credit Hours
Calculus I	MATH 1910			Three hours count 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
MATH 2050 Probability and Statistics <u>or</u> STAT 3150 Math Statistics (complete concurrently with or before MATH 2110))	_____				3
College Geometry	MATH 3070				3
Calculus III	MATH 3110				4
Foundations of Higher Math	MATH 3460				3
Abstract Algebra I	MATH 4510				3
History and Philosophy of Mathematics	MATH 4620				3
Seminar in Mathematics	MATH 4990				3
MATH elective	MATH _____				3
Hours Required					36

Supporting and Elective Courses				
Course	Semester	Grade	Notes	Credit Hours
MATH 2110 Data Analysis (complete concurrently with or after MATH 2050)				1
MATH 3320 Teaching Mathematics in Grades 5-8				3
MATH 3330 Teaching Mathematics in Grades 9-12				3
MATH 4540 Topics in Secondary School Mathematics				3
CSCI 1170 Computer Science I				4
Elective				2
Hours Required				16

Required Secondary Education Minor	Semester	Grade	Notes	Credit Hours
FOED 1110 Education as a Profession				3
FOED 2110 Educational Psychology				3
SPED 3010 Survey of the Exceptional Child				3
SPSE 3220 Technology in Teaching				3
YOED 3500 Instructional Design for Critical Thinking				3
READ 4460 Teaching Reading in the Content Areas				3
YOED 4000 Managing the Classroom for Instruction (3 hours)				
YOED 4110 Directed Teaching (9 hours)			YOED 4110 and YOED 4000 must be taken concurrently	12
Hours Required				30
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. Remedial courses do not count toward the 120-hour requirement or cumulative degree GPA.

Signed:		
	Major Advisor	Date

Local Address: _____ Phone: _____
