

**College of Basic and Applied Sciences  
Upper Division Form Fall 2019-2020 Catalog**

Student name \_\_\_\_\_ Student # \_\_\_\_\_  
 Major **MATHEMATICS** Minor \_\_\_\_\_ (Optional)  
 Concentration **PROFESSIONAL MATH – STATISTICS TRACK** E-mail \_\_\_\_\_

**Instructions: For students graduating in Summer 2019 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
<b>COMMUNICATION</b> (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
<b>HISTORY</b> (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030					3
					3
<b>HUMANITIES AND/OR FINE ARTS</b> (9 hours) Choose one: ENGL 2020, 2030, HUM 2610. Choose two different subjects: ANTH 2210, ART 1030 or 1920, DANC 1000, HIST 1010, 1020, 1110, 1120, MUS 1030, PHIL 1030, THEA 1030					3
					3
					3
<b>MATHEMATICS</b> (3 hours) Choose one: MATH 1010, 1530, 1630, 1710, 1720, 1730, 1810, 1910	<b>MATH 1910</b>			Pre-req: MATH 1730 with a C(2.0) or higher, ACT MATH of 26, or Calculus Placement test with satisfactory score; must earn a grade of C(2.0) or higher	3 of 4
<b>NATURAL SCIENCES</b> (8 hours) Choose two different subjects: 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
<b>SOCIAL/BEHAVIORAL SCIENCES</b> (6 hours) Choose two different subjects: 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
<b>Hours Required</b>					<b>41</b>

Major Courses - Grade of C (2.0) or higher required in each course	Course	Semester	Grade	Prerequisites/Notes	Credit Hours
<b>Calculus I</b>	<b>MATH 1910</b>			Pre-req: MATH 1730 with a C(2.0) or higher, ACT MATH of 26, or Calculus Placement test with satisfactory score; must earn a grade of C(2.0) or higher	1 (+3)
<b>Calculus II</b>	<b>MATH 1920</b>			MATH 1910 with a grade of C (2.0) or higher	4
<b>Calculus III</b>	<b>MATH 3110</b>			MATH 1920	4
<b>Elements of Linear Algebra</b>	<b>MATH 2010</b>			MATH 1910	3
<b>Probability and Statistics</b>	<b>MATH 2050</b>			MATH 1910	3
<b>Foundations of Higher Mathematics</b>	<b>MATH 3460</b>			MATH 1920	3
<b>Statistics Track</b>					
<b>Computer Science I</b>	<b>CSCI 1170</b>			MATH 1730 with a C(2.0) or higher, ACT MATH of 26, or Calculus Placement test with satisfactory score	4
<b>Computer Science II</b>	<b>CSCI 2170</b>			CSCI 1170 and eligibility for MATH 1910	4
<b>Data Analysis</b>	<b>MATH 2110</b>			MATH 2050	1
<b>Statistics Track continued on next page</b>					

Applied Statistics II	MATH 2530			MATH 2050	3
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. See online catalog for prerequisites.	STAT ____			STAT 4700 could also be accepted; see Advisor	
	STAT ____				
	STAT ____				
<b>Hours Required</b>					48 (51)

Supporting and Elective Courses - Grade of C (2.0) or higher required in each supporting course				
Course	Semester	Grade	Notes	Credit Hours
MATH 1910			Credits counted in general education	0
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
<b>Hours Required</b>				31

Minor (optional)				
Course	Semester	Grade	Notes	Credit Hours
<b>Hours Required</b>				
<b>Signed:</b>				
	<b>Minor Advisor</b>			<b>Date</b>

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 count toward the 120-hour requirement and the overall GPA.

<b>Signed:</b>		
	<b>Major Advisor</b>	<b>Date</b>