

**College of Basic and Applied Sciences
Upper Division Form Fall 2020-2021 Catalog**

Student name _____ Student # _____

Major **MATHEMATICS** Minor _____ (Optional)

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

Instructions: For students graduating in Summer 2020 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 subjects: 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) Choose one: MATH 1010, 1530, 1630, 1710, 1720, 1730, 1810, 1910				MATH 1910 required for major	3
NATURAL SCIENCES (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 2110/2111, PSCI 1030/1031, PSCI 1130/1131					4
					4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two different subjects: AAS 2100, ANTH 2010, ECON 2410, ECON 2420, GEOG 2000, GS 2010, HLTH 1530/1531, MC/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 higher required in each course	Course	Semester	Grade	Prerequisites/Notes	Credit Hours
Calculus I	MATH 1910			Pre-req: MATH 1730 with a C (2.0) or higher, ACT MATH of 26, or Calculus Placement test with satisfactory score. 3 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 (2.0) or higher	4
Calculus III	MATH 3110			MATH 1920	4
Elements of Linear Algebra	MATH 2010			MATH 1910	3
Probability and Statistics	MATH 2050			MATH 1910	3
Foundations of Higher Mathematics	MATH 3460			MATH 1920	3
Statistics Track					
Computer Science I	CSCI 1170			MATH 1730 with a C(2.0) or higher, ACT MATH of 26, or Calculus Placement test with satisfactory score	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
Seminar in Mathematics	MATH 4990			Should be taken in final semester	3
Mathematical Statistics I (Fall only)	STAT 3150			MATH 1920	3

