



DEGREE WORKSHEET FOR:

BS Mathematics, Statistics & Data Science Concentration

Degree Requirements – 120 credits

YEAR 1- FALL (14 credits)		YEAR 1- SPRING (16 credits)	
MATH 131 Calculus (LAX1*)	4 credits	MATH 132 Calculus II (LAX1*)	4 credits
CS 120 Computer Programming	3 credits	MATH 228 Discrete Mathematics	3 credits
MATH 102 Success in Math Sciences (suggested elective)	1 credit	Liberal Arts Curriculum ^b (choose one LAB1, LAB2, or LAB3 that is also a LAMS and/or LAIS*)	3 credits
ENG 122 College Composition (LAW1*)	3 credits	Liberal Arts Curriculum ^b (LAW2*)	3 credits
Liberal Arts Curriculum ^b (choose one LAA1, LAA2, LAA3, or LAA4 that is also a LAMS and/or LAIS*)	3 credits	University wide elective	3 credits
YEAR 2- FALL (14 credits)		YEAR 2-SPRING (16 credits)	
MATH 233 Calculus III	4 credits	MATH 221 Elementary Linear Algebra	3 credits
MATH 350 Probability Theory	3 credits	MATH 335 Differential Equations	4 credits
STAT 211 Computational Tools for Data Analysis	3 credits	Liberal Arts Curriculum ^b (LAA1, LAA2, LAA3, or LAA4)	3 credits
Liberal Arts Curriculum ^b (LASL*)	4 credits	Liberal Arts Curriculum ^b (LAH1*)	3 credits
		University-wide Electives ^c	3 credits
YEAR 3- FALL (15 credits)		YEAR 3- SPRING (15 credits)	
STAT Major Elective ^d	3 credits	MATH 351 Statistics Theory OR STAT Major Elective ^d	3 credits
MATH 495 Topics in Mathematics ^a OR Major Elective ^e	3 credits	STAT Major Elective ^d	3 credits
Liberal Arts Curriculum ^b (LAB1, LAB2, or LAB3)	3 credits	Liberal Arts Curriculum ^b (LAS1*)	3 credits
University-wide Electives ^c	6 credits	University-wide Electives ^c	6 credits
YEAR 4- FALL (15 credits)		YEAR 4- SPRING (15 credits)	
Major Elective ^e OR MATH 495 Topics in Mathematics ^a	3 credits	STAT Major Elective ^d OR MATH 351 Statistics Theory	3 credits
STAT Major Elective ^d	3 credits	Major Elective ^e	3 credits
University-wide Electives ^c	9 credits	University-wide Electives ^c	9 credits

*See the [Liberal Arts Curriculum](#) webpage for more information

This four-year plan is a recommended schedule to complete your bachelor's degree in 4 years. Every UNC student must meet the following requirements in order to graduate with a bachelor's degree: earn a minimum of 120 semester credit hours; possess a minimum of a 2.00 cumulative grade point average; have at least 31 credit hours in courses designated as Liberal Arts Curriculum; meet all degree requirements in the student's major field of study. Each major and/or emphasis may have additional requirements necessary for graduation. **Students must consult with their major advisor to receive information on any additional graduation requirements.**

Admission Requirement – No separate admission requirement.

Minor Required – No Minor required.

Contact Information –Mathematical Sciences Ross Hall Room 2239, 970-351-2820

School Web Page: <http://www.unco.edu/nhs/mathematical-sciences/>

Notes – see page 2.

BS Mathematics, Stats & Data Science Concentration (cont.)

Notes

- 1 ^a MATH 495 is only offered every odd-numbered fall and some odd-numbered springs
- 2 ^b Liberal Arts Curriculum courses can be taken any semester. It is strongly suggested that they be evenly distributed over the entire 4 years of study rather than concentrated in the first 2 years. NOTE: You need to complete 31 Liberal Arts Curriculum credits total. Math 131 and Math 132 are required in the program and also satisfy the 3 credit Liberal Arts Curriculum Mathematics requirement. Most students will take ENG 122 for their first composition class unless they have placed out of the introductory composition requirement. Students need to take 6 credits total of composition courses, 7 credits of natural and physical sciences credits, and 15 credits from Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural, and International Studies. Of these 15 credits, one must be designated as a Multicultural Studies [MS] class, and one must be designated as an International Studies [IS] class.
- 3 ^c You need to complete 35-38 credits of University-wide Electives.
- 4 ^d You need to complete 12 additional credits from the **STATS** electives. Choose from: STAT 311, 320, 330, 411, 440, 451, or 495.
- 5 ^e You need to complete 6 additional credits from the major electives. Choose from: MATH 321, 322, 336, 341, 342, 375, 431, 432, 437, 460, 495 (under second title); CS 301, 302, 395, 401, 454, 456, 460; STAT 311, 320, 330, 411, 440, 451, or 495.
- 6 Courses in **bold** are Mathematical Sciences Core courses.