

Sample 4-Year Plan: Statistics and Mathematics

Below is a sample 4-year plan that shows how a student might navigate both the Mathematics for Data and Risk Analysis major and Statistics major. This plan indicates both potential areas of overlap and non-overlap. Please note that it is not required that all double majors follow this plan nor is it required that students overlap the maximum number of courses between the two majors. This plan is provided as a tool for students to understand the potential course load between the two majors.

Students are strongly encouraged to review the full curriculum for both majors on the Guide and contact relevant advisors for information on course selection.

- *Mathematics for Data and Risk Analysis Option Guide:* <https://guide.wisc.edu/undergraduate/letters-science/mathematics/mathematics-ba/mathematics-mathematics-statistical-analysis-risk-assessment-ba/>
- *Statistics Guide:* <https://guide.wisc.edu/undergraduate/letters-science/statistics/#degreesmajorscertificatestext> (select either Statistics BA or BS)

	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
STAT Major Courses	Computer Programming: COMP SCI 200 (3), CS 220(4), 300 (3), 320 (4)		Intro STAT Course: STAT 240 (4), STAT 324 (3), or STAT 371 (3)	R: STAT 303 (1 cr) + Statistical Modeling: STAT 333 (3) OR STAT 340 (4)	Statistical Modeling: STAT 424 (3)	STAT Elective (3 credits)*	STAT Elective (3 credits)*	STAT Elective (3 credits)*
STAT & Math: Data & Risk Analysis Majors Courses	Calculus 1: Math 221 (5)	Calculus 2: Math 222 (4)	Calculus 3: Math 234 (4) Or MATH 376 (5)	Linear Algebra: MATH 340 (3), 341 (3) , 375(5) or 345 (4)	Probability: STAT 309 (3), STAT/MATH 431 (3) or MATH 531 (3)	Inference STAT 310 (3)	MATH Risk Course/STAT Elective (3)	MATH Risk Course/STAT Elective (3)
Math: Data & Risk Analysis Majors Courses					Intermediate MATH Course** (3)		Required Advanced MATH Course (3)	500-600 MATH Elective (3)

Balance rest of schedule with general education breadth and/or general elective courses.

Students must earn a C or above for all Calculus courses to fulfill Statistics Major Calculus requirements.

*Please see The Guide for list of STAT Electives.

**The Intermediate Math course (one of MATH [321 & 322], 341, 375, or 421) required for the program should come as early as possible, no later than Spring semester of year 3.

Bolded courses are recommended courses for STAT majors