

Sample 4-Year Plan: Statistics and Data Science

Below is a sample 4-year plan that shows how a student might navigate both the Statistics major and Data Science 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.

- *Data Science Guide:* <https://guide.wisc.edu/undergraduate/letters-science/statistics/#degreesmajorscertificatestext> (select either Data Science BA or BS)
- *Statistics Guide:* <https://guide.wisc.edu/undergraduate/letters-science/statistics/#degreesmajorscertificatestext> (select either Statistics BA or BS)

Statistics & Data Science double Major

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
		Calculus 3: Math 234 (4) or MATH 376 (5)	R: STAT 303 (1 cr)			STAT Elective (6 credits)*	STAT Elective (6 credits)*
Must have a grade "C" or above in all Calculus Courses							
Calculus 1: Math 221 (5 cr)	Calculus 2: Math 222 (4 cr)		Statistical Modeling STAT 340 (4)	Statistical Modeling: STAT 424 (3)			
Computer Programming: COMP SCI 220 (4), or 300 (3)		Intro STAT Course: STAT 240 (4)	Linear Algebra: MATH 340 (3), 341, 375 (5) or 345 (3)	Probability: STAT 309 (3) (DS Stat Modeling)	Inference STAT 310 (3) (DS Stat Modeling)	STAT/DS (ML) Elective (3 credits)	
General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives
	CS 320 (4 cr)			DS Ethics Course: LIS 461 (3-4), PHILSO 244 (3), or ECE 570 (3)	DS Advanced Computing Course (3)		

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*Please see The Guide for list of STAT Electives.

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Plain Text Version:

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		Calculus 3: Math 234 (4) or MATH 376 (5)	R: STAT 303 (1 cr)			STAT Elective (6 credits)*	STAT Elective (6 credits)*
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Computer Programming: COMP SCI 220 (4), or 300 (3)		Intro STAT Course: STAT 240 (4)	Linear Algebra: MATH 340 (3), 341, 375 (5) or 345 (3)	Probability: STAT 309 (3) (DS Stat Modeling)	Inference STAT 310 (3) (DS Stat Modeling)	STAT/DS (ML) Elective (3 credits)	
General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives	General Education/ Breadth requirements or electives
	CS 320 (4 cr)			DS Ethics Course: LIS 461 (3-4), PHILSO 244 (3), or ECE 570 (3)	DS Advanced Computing Course (3)		

NOTE: **BOLDED** courses are recommended courses for the majors.

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