

Roadmap B.S. in Mathematics: Statistics option - AY 2022-2023 For Transfer Students

This guide assumes that the student has satisfied and transferred from community college all of the lower division GE requirements, and the following courses: MATH 75, 76, 77, 81; and at least one of PHYS 4A or CSCI 40. Note that both of these courses are required for the mathematics major. Besides satisfying the major requirements and GE requirements, students also need to earn at least 120 units in total.

YEAR 1: FALL			YEAR 1: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 111	4	MATH 76	MATH 152 ¹	4	MATH 77
MATH 101	4	MATH 75	MATH 106 ²	3	See table below
MATH 107 ²	3	MATH 77	MATH 108 ² or MATH Elective ²	3	See table below
UD GE IB	3		UD GE ID ⁰	3	
			Free Elective (if needed)	3	
TOTAL UNITS	14		TOTAL UNITS	16	

YEAR 2: FALL			YEAR 2: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 151 ¹ or 171 ¹	4	MATH 111; and MATH 152 (for MATH 151)	MATH 171 ¹ or 151 ¹	4	MATH 111; and MATH 152 (for MATH 151)
MATH 105 ² or 109 ²	3	See table below	MATH 193C (Spring only)	1	MATH 106 and 107 (106 Conc. OK)
MATH Elective ²	3/4		CSCI 40 or PHYS 4A ⁰ (if not taken at CC)	4/3	MATH 75 or MATH 76 (concurrently OK)
UD MI ⁰	3		UD GE IC	3	
Free Elective (if units are still needed)	3		Free Elective or Writing course (if writing requirement not satisfied yet)	3	
TOTAL UNITS	16/17		TOTAL UNITS	14/15	

⁰PHYS 4AL is not required for this option in the math major. If students wish to include PHYS 4A as a General Education Breadth course, they must also take PHYS 4AL.

⁰Consider taking ANTH 105W (UD MI) or ANTH 116W (UD GE ID) to satisfy your upper division Writing Skills Requirement.

¹ It is suggested to take MATH 81 before taking MATH 152.

¹ Taking MATH 116 before taking MATH 151 has been found beneficial.

¹ Taking at least one of the courses MATH 161, 128, or 165 before taking MATH 171 has been found beneficial.

² The MATH Electives for the STATISTICS option are: MATH 106, 107, 193C. Two courses from the following list: MATH 105, 108, 109.

*Plus one additional MATH elective (any 3-4 unit mathematics course, upper division or graduate, excluding MATH 100, 102, 133, 134, 137, 138, 139. Special conditions apply for graduate courses. **Meet with your advisor from the Math Department to plan your MATH electives.**)

Course Number	Course Title	Prereq	Semester
MATH 105	Statistical Programming and Data Analysis	MATH 11 or 101	Fall only
MATH 106	Applied Linear Statistical Models	MATH 75 /(75A&B), and MATH 11 or 101	Spring only
MATH 107	Mathematical Statistics	MATH 77 (concurrently OK)	Fall only
MATH 108	Advanced Mathematical Statistics	MATH 107	Spring only
MATH 109	Applied Probability	MATH 107	Fall only
One Math Elective*			

Advising note: Upper Division GE courses and MATH 101 and MATH 143 are also offered during summer sessions. **Students should meet with their academic advisor from the Department of Mathematics at least once per year.**