

Roadmap B.S. in Mathematics: Statistics option

YEAR 1: FALL			YEAR 1: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 75 (GE Area 2) ⁰	4	CRT/ALEKS PPL	MATH 76	4	MATH 75/(75A&B)
CSCI 40	4	MATH 75 (Conc. OK)	MATH 101	4	MATH 75/(75A&B)
CSM 10 (GE Area 1B)	3		PHYS 4A+4AL (GE 5A+5C) ⁰	4	MATH 76 (Conc. OK)
GE Area 1C	3		Univ. Req. S/L	3	
TOTAL UNITS	14		TOTAL UNITS	15	

YEAR 2: FALL			YEAR 2: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 77	4	MATH 76	MATH 81	3	MATH 77
MATH 111	4	MATH 76	MATH 106²	3	See table below
GE Area 1A	3	See table below	GE Area 5B	3	
GE Area 3A	3		GE Area 3B	3	
			HIST 11 or 12 (GE Area 4A)	3	
TOTAL UNITS	14		TOTAL UNITS	15	

YEAR 3: FALL			YEAR 3: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 152¹	4	MATH 77	MATH 171¹	4	MATH 111
MATH 107²	3	MATH 77	MATH 193C² (Spring only)	1	MATH 106 and 107 (Math 106 Conc. OK)
MATH 105² or MATH Elective²	3/4	See table below	MATH 108² or MATH Elective²	3/4	See table below
PL SI 2 (US & Ca Govt)	3		GE Area 4B	3	
Univ. Req. A/H	3		GE Area 6	3	
TOTAL UNITS	16/17		TOTAL UNITS	14/15	

YEAR 4: FALL			YEAR 4: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 151¹	4	MATH 111 & 152	UD GE Area 2 / Area 5	3	
MATH 105² or/and 109²	3	See table below	UD GE Area 3	3	
Free Elective	3		Writing course (if writing requirement is not satisfied yet)	3	
UD GE Area 4⁰	3		Free Elective or MATH 190 or MATH 198	3	
Univ. Req. M/I⁰	3		Free Elective (if needed)	4	
TOTAL UNITS	16		TOTAL UNITS	16	

⁰3 units of MATH 75 (or MATH 75A) also will satisfy the G.E. Foundation Area 2 requirement.

⁰PHYS 4AL is not required for this option in the math major. If students wish to include PHYS 4A as a G.E. Area 5A requirement, they must also take PHYS 4AL.

⁰Consider taking ANTH 105W (Univ. Req. M/I) or ANTH 116W (UD GE Area 4) 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, and two courses from the following list: MATH 105, 108, 109.

*Plus one free 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 often with your academic advisor from the Department of Mathematics.**

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 and Computational Probability	MATH 101 (MATH 107 recommended)	Fall only
One Math Elective*			