

## Road Map B.S. in Mathematics: Statistics option

YEAR 1: FALL			YEAR 1: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 75 (LD GE B4) <sup>0</sup>	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)
LD GE A1	3		PHYS 4A/4AL (B1/ B3) <sup>0</sup>	4	MATH 76 (Conc. OK)
LD GE A3	3		LD GE E	3	
<b>TOTAL UNITS</b>	14	(9 GE)	<b>TOTAL UNITS</b>	15	(7 GE)

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 Elective <sup>2</sup>	3	See table below
MATH Elective <sup>2</sup>	3	See table below	LD GE B2	3	
LD GE A2	3		LD GE C1	3	
			HIST 11 or 12 (D1)	3	
<b>TOTAL UNITS</b>	14	(3 GE)	<b>TOTAL UNITS</b>	15	(9 GE)

YEAR 3: FALL			YEAR 3: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 152 <sup>1</sup>	4	MATH 77	MATH 151/171 <sup>1</sup>	4	MATH 111
MATH Elective <sup>2</sup>	3	See table below	MATH 191T (in Statistics)	1	MATH 106, 107, & 108 (Math 108 Conc. OK)
LD GE C2	3		MATH Elective <sup>2</sup>	3	See table below
LD GE C1/C2	3		LD GE D3	3	
PL SI 2 (D2)	3		Free Elective	3	
<b>TOTAL UNITS</b>	16	(9 GE)	<b>TOTAL UNITS</b>	14	(3 GE)

YEAR 4: FALL			YEAR 4: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 171/151 <sup>1</sup>	4	MATH 111	MATH <sup>2</sup> or Free Elective	3/4	See table below
Free or MATH <sup>2</sup> Elective	3/4	See table below	UD GE IB	3	
Free Elective	3		UD GE IC	3	
UD GE ID <sup>0</sup>	3		Free Elective	4	
UD GE MI <sup>0</sup>	3		Free Elective	3	
<b>TOTAL UNITS</b>	16/17	(6 GE)	<b>TOTAL UNITS</b>	16/17	(6 GE)

<sup>0</sup>3 units of MATH 75 (or MATH 75A) also will satisfy the G.E. Foundation B4 requirement.

<sup>0</sup>PHYS 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.

<sup>0</sup>Consider taking ANTH 105W (UD GE MI) or ANTH 116W (UD GE ID) to satisfy your upper division Writing Skills Requirements.

<sup>1</sup> It is suggested to take MATH 81 before taking MATH 152.

<sup>1</sup> It is suggested to take MATH 152 and/or MATH 116 before taking MATH 151.

<sup>1</sup> It is suggested to take MATH 161, 128, and/or 165 before taking MATH 171.

<sup>2</sup> The following table summarizes the MATH Electives of the STATISTICS option. Choose four courses from the following list, plus one additional MATH elective\*.

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	Spring only

\*The fifth MATH elective can be any 3-4 unit mathematics course, upper division or graduate, excluding MATH 100, 133, 134, 137, 138, 139. Special conditions apply for graduate courses; see department advisor. MATH 191T in Statistics is also a required course.

**Advising note: Students should meet with their academic advisor every semester.**