CNSM Academic Advising Center
College of Natural Sciences and Mathematics
California State University Long Beach
www.csulb.edu/cnsm/advising

BACHELOR OF SCIENCE IN MATHEMATICS
OPTION IN STATISTICS
FOUR YEAR DEGREE WORKSHEET
2017-2018 Catalog

This degree worksheet is intended to help you develop a balanced course schedule while completing your degree within 4 years. The same sequence of courses (with fewer courses each semester) is also recommended for students completing their degree in 5 or 6 years. This worksheet is not intended to replace academic advising with your assigned advisor. Students should consult with their assigned advisor to determine the appropriate sequence of required courses and electives based on their academic goals.

CSULB Enrollment Services prepares the Academic Requirements Report, which is the official graduation verification.

Year 1

Semester	Course #	Course Title (Units)	Prerequisites	Notes
1	MATH 122	Calculus I (4)	MATH 111 and 113	
	GE (area A1)	Written Communication (3)		
	GE (area C,D,E)	Other Explorations (3)		
	GE (area C,D,E)	Other Explorations (3)		
	NSCI 190A	Experience Success Program 1 (1)		Fall only
2	MATH 123	Calculus II (4)	MATH 122	
	GE (area A2)	Oral Communication (3)		
	GE (area A3)	Critical Thinking (3)		
	GE (area C,D,E)	Other Explorations (3)		
	Elective	Elective Requirement (3)		

Year 2

Semester	Course #	Course Title (Units)	Prerequisites	Notes
3	MATH 224	Calculus III (4)	MATH 123	
	CECS 174	Intro Programming and Problems Solving (3)		
	GE (area C,D,E)	Other Explorations (3)		
	GE (area C,D,E)	Other Explorations (3)		
	Elective	Elective (3)		
4	MATH 247	Introduction to Linear Algebra (3)	MATH 123	
	MATH 380	Probability and Statistics (3)	MATH 224	
	GE (area C,D,E)	Other Explorations (3)		
	GE (area B1a)	Life Science (3-4)		B1a or B1b with lab
	Elective	Elective (3)		

Year 3

Semester	Course #	Course Title (Units)	Prerequisites	Notes
5	MATH 381	Mathematical Statistics (3)	MATH 247 and 380	
	Upper Division Elective	Math Statistics (3)		
	ENGL 101; OR ENGL 317	Composition (3); OR Technical Communication (3)	GE Written Communication (A1) and GE Oral Communication (A2) and GE Critical Thinking (A3) and MATH 122 (B2)	101 not offered
	GE (area B1b)	Physical Science (3-4)		B1a or B1b with lab
	Elective	Elective (3)		
6	MATH 361A	Intro. to Mathematical Analysis I (3)	MATH 224 and 233	
	MATH 323	Intro. to Numerical Analysis (3)	MATH 224	
	Upper Division Elective	Math Statistics (3)		
	GE (area C,D,E)	Other Explorations (3)		
	Elective	Elective (3)		

Year 4

Semester	Course #	Course Title (Units)	Prerequisites	Notes
7	STAT 410	Regression Analysis (3)	STAT 381	
	STAT 475	Data Analysis with SAS (3)	STAT 381	
	Upper Division Elective	Math Statistics (3)		
	GE Capstone (area F)	General Education & Foundation (3)	GE Written Communication (A1) and GE Oral Communication (A2) and GE Critical Thinking (A3) and MATH 122 (B2)	
	Elective	Elective (3)		
8	STAT 450	Multivariate Statistical Analysis (3)	STAT 381	Spring only
	Upper Division Elective	Math Statistics (3)		
	GE Capstone (area F)	General Education & Foundation (3)	GE Written Communication (A1) and GE Oral Communication (A2) and GE Critical Thinking (A3) and MATH 122 (B2)	
	GE Capstone (area F)	General Education & Foundation (3)	GE Written Communication (A1) and GE Oral Communication (A2) and GE Critical Thinking (A3) and MATH 122 (B2)	
	Elective	Elective (2)		