

BACHELOR OF SCIENCE IN MATHEMATICS 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	
	PHYS 151	Mechanics and Heat (4)	MATH 122	
	CECS 174	Intro Programming and Problems Solving (3)		
	GE (area C,D,E)	Other Explorations (3)		
	Elective	Elective (1)		
4	MATH 247	Introduction to Linear Algebra (3)	MATH 123	
	MATH 233	Fundamental Concepts for Advanced Mathematics (3)		
	GE (area C,D,E)	Other Explorations (3)		
	GE (area C,D,E)	Other Explorations (3)		
	Elective	Elective (3)		

Year 3

Semester	Course #	Course Title (Units)	Prerequisites	Notes
5	MATH 364A	Ordinary Differential Equations (3)	MATH 224 and 247	
	MATH 380	Probability and Statistics (3)	MATH 224	
	MATH 341 OR MATH 347	Number Theory (3) OR Linear Algebra (3)	MATH 233 OR MATH 233 and 247	
	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)	101 not offered
	Elective	Elective (3)		
	6	MATH 361A	Introduction to Mathematical Analysis I (3)	MATH 224 and 233
MATH 444		Introduction to Abstract Algebra (3)	MATH 233, 247, and either 341 or 347	
GE (area B1a)		Life Science (3-4)		B1aNL is okay
GE (area C,D,E)		Other Explorations (3)		
Elective		Elective (3)		

Year 4

Semester	Course #	Course Title (Units)	Prerequisites	Notes
7	MATH 361B	Intro. to Mathematical Analysis II (3)	MATH 361A	
	Elective	MATH Elective (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 (3)		
8	Elective	MATH Elective (3)		
	Elective	MATH Elective (3)		
	Elective	MATH Elective (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)		