BACHELOR OF ARTS IN MATHEMATICS: CONCENTRATION IN MATHEMATICS FOR LIBERAL ARTS ROADMAP

120 Total Units Required Minimum Number of Units in the Major: 42

This roadmap is a suggested plan of study and does not replace meeting with an advisor. Please note that students may need to adjust the actual sequence of courses based on course availability. Please consult an advisor in your major program for further guidance.

Course First Semester	Title	Units
ENG 114	Writing the First Year. Finding Your Voice (A2) ¹	3
MATH 226	Calculus I (Major Core, B4) ²	4
GE Area A ³		3
GE Area C		3
GE Area D		3
	Units	16
Second Semester		
MATH 227	Calculus II (Major Core)	4
MATH 325	Linear Algebra (Major Core)	4
GE Area A		3
GE Area C		3
GE Area E		3
	Units	17
Third Semester		
MATH 228	Calculus III (Major Core)	4
MATH 301GW	Exploration and Proof - GWAR (Major Core)	3
GE Area B: Physical Science (B1) and Labo	ratory Science (B3) ⁴	3-4
GE Area C		3
	Units	13-14
Fourth Semester		
MATH 335	Modern Algebra (Major Core)	3
Select One (Major Concentration):		3
CSC 210	Introduction to Computer Programming	
CSC 309	Computer Programming	

GE Area B: Life Science (B2) and Laborate	ory Science (B3) ⁴	3-4
GE Area D		3
Complementary Studies or SF State Studi 5	ies or University Elective	3
	Units	15-16
Fifth Semester		
MATH 370	Real Analysis I (Major Core)	3
Concentration Elective (15 Units Total) - T	ake One ⁶	3
GE Area F [±]		3
GE Area UD-D: Upper-Division Social Scier		3
U.S. and California Government (http://bu undergraduate-education/american-instit		3
	Units	15
Sixth Semester		
Concentration Elective (15 Units Total) - T	ake Two ⁶	6
GE Area UD-C: Upper-Division Arts and/or	Humanities	3
Complementary Studies or SF State Studi – Take Two ⁵	ies or University Elective	6
	Units	15
Seventh Semester	_	
Concentration Elective (15 Units Total) - T	ake One ⁶	3
GE Area UD-B: Upper-Division Physical an		3
Complementary Studies or SF State Studi – Take Three ⁵	ies or University Elective	9
	Units	15
Eighth Semester	_	
Concentration Elective (15 Units Total) - T	ake One ⁶	3
Complementary Studies or SF State Studi - Take Four ⁵	ies or University Elective	11
	Units	14
	Total Units 1	20-122
 ¹ ENG 114 can only be taken if you compl (DSP) and select ENG 114; if you choos DSP you will satisfy A2 upon successfu second semester; multilingual students English courses. ² To determine the best B4 course option the online advising activity at mathadvi mathadvising.sfsu.edu/). Questions? Co (https://gatorsmartstart.sfsu.edu/) ³ To avoid taking additional units, it is rec SF State Studies (AERM, GP, ES, SJ) req 	e ENG 104/ENG 105 thro I completion of ENG 105 may be advised into alte , students should comple sing.sfsu.edu (https:// ontact Gator Smart Start.	ugh in the ernative ete et the
major. ⁴ Consider taking a class combined with	-	
fulfill B3 if not already satisfied. ⁵ Complementary Studies		
Students in the B.A. Math program will s Studies requirement with the completio General Education B1 Physical Science Education B2 Life Science requirement, Education UD-B (Physical and/or Life Science required computer programming course required Concentration Electives (15 units)	n of courses satisfying th requirement, the General the Upper-Division Gener ciences) requirement, and	ral

Five MATH courses numbered 300 or above except MATH 375, MATH 475, and MATH 565.

± Given catalog rights, fall 2023 transfer students do not need to complete an Area F course.