Mathematics B.S. Subject Matter Preparation Concentration
2022-2023

This pathway assumes that students have completed 60 units including Calculus I & II, Multivariate Calculus, Discrete Math, Differential Equations/Linear Algebra, and Computer Programming, as well as all CSU lower-division GE and American Institutions requirements.

Fall Junior Courses (17 units)	Course or GE Title	Units	GE/Major
MATH 300 (fall only) (170 is prereq)	Major Proseminar	4	GWAR, Major
MATH 322 (fall, spring) (170 is prereq)	Foundations of Modern Math	4	Major
MATH 320 (fall, spring)	Applied Probability & Statistics	4	Major
MATH 361S (fall)	Math Consultants	5	Conc (UDSL)
Spring Junior Courses (15 units)	**Course or GE Title**	**Units**	**GE/Major**
MATH 330 (spring only) (265 and 322 are prereqs)	Advanced Linear Algebra	4	Major
MATH 325 (spring only, 322 is prereq)	Number Thoery	4	Conc
MATH 329 (spring only)	College Geometry	4	Concentration
SPAN 340 or 350 or JAPN 340 or 350	UD C with World Culture & languages	3	UDC, WCL
Fall Senior Courses (14 units)	**Course or GE Title**	**Units**	**GE/Major**
MATH 410 (fall only)	Modern Algebra I	4	Major
MATH 420 (fall only)	Mathematical Analysis	4	Major
STAT 310 (fall only)	Data Visualization, upper-division Math/Sci GE area B	3	UDB
MATH 326 (fall only)	History of Mathematics	4	Conc
Spring Senior (14 units)	**Course or GE Title**	**Units**	**GE/Major**
MATH 400 (300 is prereq)	Capstone Seminar	4	Major
HCOM 353 or HCOM 369 or SBS 350 (or any UDD if US History complete)	UD Social Science with US History and CSUMB Ethnic Studies* requirement	3	UDD, US1, ES*
Elective	Math/Stat elective if didn't take STAT 310 for UDB, or free elective	3	Conc if needed
elective or any missing GE or CSU requirement	ree elective or needed to reach 1	3	
	MATH (No concentration) Transfer:	**60**	

NOTE: Transfer students with catalog rights to a GE catalog prior to fall 2021 must complete CSUMB's Ethnic Studies (ES) requirement