

Mathematics B.S. Math for Teaching Concentration 2024-2025

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 (16 units)		Course or GE Title	Units	GE/Major
MATH 300 (MATH 151 prereq)		Major Proseminar	4	GWAR, Major
MATH 322		Foundations of Modern Math	4	Major
MATH 320 (Fall Only)		Applied Probability & Statistics	4	Major
MATH 361S (Fall Only)		Math Consultants	4	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 or MATH 329 (Spring only)		Number Theory or College Geometry	4	Conc
MATH 420		Mathematical Analysis	4	Major
SPAN 340 or 350 or JAPN 340 or 350		UD C with World Culture & languages	3	UDC, WCL
Fall Senior Courses (15 units)		Course or GE Title	Units	GE/Major
MATH 410 (fall only)		Modern Algebra I	4	Major
MATH/STAT Elective		MATH/STAT Elective	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*
MATH 325 or MATH 329 (Spring only)		Number Theory or College Geometry	4	Conc
elective or any missing GE or CSU requirement		Free elec. if needed to reach 120 units	3	Elective
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