

## Mathematics Subject Matter Preparation 2023-2024

This pathway assumes that students have completed three semesters of calculus including multivariate calculus, Discrete Math, and differential equations and linear algebra and computer programming

Fall Junior Courses (17 units)	Course or GE Title	Units	GE/Major
<b>MATH 300</b> (fall only) (170 is prereq)	Major Proseminar	4	GWAR, Major
<b>MATH 322</b> (fall, spring) (170 is prereq)	Foundations of Modern Math	4	Major
<b>MATH 320</b> (fall, spring)	Applied Probability & Statistics	4	Major
<b>MATH 361S</b> (fall)	Math Tutors	5	Conc (UDSL)
Spring Junior Courses (15 units)	Course or GE Title	Units	GE/Major
<b>MATH 330</b> (spring only) (265 and 322 are prereqs)	Advanced Linear Algebra	4	Major
<b>MATH 325</b> (spring only, 322 is prereq)	Number Thoery	4	Conc
<b>MATH 329</b> (spring only)	College Geometry	4	Concentration
<b>SPAN 340 or 350 or JAPN 340 or 350</b>	UD C with World Culture & languages	3	UDC, WCL
Fall Senior Courses (14 units)	Course or GE Title	Units	GE/Major
<b>MATH 410</b> (fall only)	Modern Algebra I	4	Major
<b>MATH 420</b> (fall only)	Mathematical Analysis	4	Major
<b>STAT 310</b> (fall only)	Data Visualization, upper-division Math/Sci GE area B	3	UDB
<b>MATH 326</b> (fall only)	History of Mathematics	4	Conc
Spring Senior (14 units)	Course or GE Title	Units	GE/Major
<b>MATH 400</b> (300 is prereq)	Capstone Seminar	4	Major
<b>HCOM 353 or HCOM 369 or SBS 350</b> (or any UDD if US History complete)	UD Social Science with US History and CSUMB Ethnic Studies* requirement	3	UDD, US1, ES*
<b>Elective</b>	Math/Stat elective if didn't take STAT 310 for UDB	4	Conc if needed
<b>elective or any missing GE or CSU requirement</b>	ree elective or needed to reach 1	3	US2,3 or elective
<b>MATH (No concentration) Transfer:</b>		<b>60</b>	