

Mathematics B.S. (no concentration) 4-Year Pathway 2023-2024

Fall Freshman Courses (14 units total)	Course or GE Title	Units	GE/Major
FYS 156 or 179	FYS with GE area D	3	FYS,DGSS
MATH 150*	Calculus I	4	B4, major
GE Area C2	Any Humanities (GE Area C2) course	3	C2
Physical Science (B1) GE with lab	Any GE area B1 course	4	B1, B3
Spring Freshman Courses (14 units total)	Course or GE Title	Units	GE/Major
MATH 151	Calculus 2	4	Major
MATH 170	Discrete Mathematics	4	Major
HCOM 110	Fundamentals of Speaking & Listening	3	A1
HCOM 125, SBS 110, or (CAD 102 +CAD 90)	Critical Reading and Writing	3	A2
Fall Sophomore Courses (17 units total)	Course or GE Title	Units	GE/Major
MATH 265 (fall only)	Differential Equations & Linear Algebra	4	Major
MATH 250 (fall only)	Multivariate Calculus	4	Major
HCOM200, HCOM202, BIO131 or ENSTU130	Critical Thinking GE	3	A3
HDFS 200, KIN 161, or KIN 263	GE area E	3	E
Any C1 GE course	Arts General Education course	3	C1
Spring Sophomore Courses (14 units total)	Course or GE Title	Units	GE/Major
CST 231 or CST 319	Problem-Solving & Programming	4	Major
SL210S, ED212S, HCOM260S, SBS212S	Civics/Service Learning GE course	3	DCSL, US2&3
SBS 249 or HCOM 243	US History with GE area F	3	US1, F
GE area B2 (with lab B3 if not completed)	Life Science GE with lab if not done	4	B2 (B3)
Fall Junior Courses (17 units total)	Course or GE Title	Units	GE/Major
MATH 300	Major Proseminar	4	GWAR, Major
MATH 320	Applied Probability & Statistics	4	Major
MATH 322	Foundations of Modern Math	4	Major
MATH 361S (fall) or MATH/STAT elective #1	Mathematics Tutors or Major elective	5	Conc (UDSL)
Spring Junior Courses (15 units total)	Course or GE Title	Units	GE/Major
MATH 330 (spring only)	Advanced Linear Algebra	4	Major
MATH 362S (Spring) or MATH/STAT elective #1	Math Consultants or Major elective	4	Conc (UDSL)
MATH/STAT elective #2	See catalog for course list	4	Concentration
STAT 310 or any UDB	Data Visualization	3	UDB
Fall Senior Courses (15 units total)	Course or GE Title	Units	GE/Major
MATH 410 (fall only)	Modern Algebra I	4	Major
MATH 420 (fall only)	Mathematical Analysis	4	Major
MATH/STAT elective #3	See catalog for course list	4	Concentration
SPAN 340 or 350 or JAPN 340 or 350	UD C with World Culture & languages	3	UDC, WCL
Spring Senior (14 units total)	Course or GE Title	Units	GE/Major
MATH 400	Capstone Seminar	4	Major
MATH 411 or 421	Modern Algebra II or Math Analysis II	4	Concentration
Any upper-division social science GE	UD Social Science	3	UDD
GE area C1 or C2 course	Additional C1 or C2 Arts or Humanities	3	C1 or C2
MATH (No concentration) 4-yr path:		120	

*Students must complete an online placement to enroll in MATH 150. Contact the MATH advisor for information about the Calculus placement.