

Mathematics, BS- Pure and Applied Mathematics

2-Year Pathway 2025/26 - 2029/30

Assumes completion of
MATH 150, MATH 151, MATH 250, MATH 230/MATH 240 or MATH 265, and CST 231/CST319
as a part of the AD-T for Mathematics.

Fall Junior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units 15	Requirement Met GE/UR/Major
MATH 300	Major Proseminar	3	GWAR, Major
MATH 320	Applied Probability and Statistics	4	Major
MATH 322	Foundations of Modern Math	4	Major
MATH 361S OR MATH/STAT Elective**	Mathematics Tutors OR MATH/STAT Elective	4	UDSL, Major or Major
Spring Junior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units 15	Requirement Met GE/UR/Major
MATH 330	Advanced Linear Algebra	4	Major
MATH 362S OR MATH/STAT Elective**	Mathematics Consultants OR MATH/STAT Elective	4	UDSL, Major or Major
Math 420	Mathematical Analysis I	4	Major
SPAN 350 or JAPN 350, or any approved course	UD Area 3 with World Culture & Languages GE if needed	3	Area 3 UDGE WCL
Fall Senior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units 15	Requirement Met GE/UR/Major
MATH 410	Modern Algebra I	4	Major
MATH 421* OR MATH/STAT Elective	Mathematics Analysis II OR MATH/STAT Elective	4	Major (Concentration)
STAT 310 OR Any Approved Course	Data Visualization OR Any Approved Course	3	Area 2 UDGE, Major
MATH/STAT Elective	MATH/STAT Elective	4	Major (Concentration)
Spring Senior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units 15	Requirement Met GE/UR/Major
MATH 400	Capstone Seminar	4	Major
MATH 411* OR MATH/STAT Elective	Modern Algebra II OR MATH/STAT Elective	4	Major (Concentration)
HCOM 353 or HCOM 362, or any approved course	UD Area 4 Social and Behavioral Sciences GE	3	Area 4 UDGE US 1/2/3 if needed

Open Elective	Open Elective	4	
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*Must Complete MATH 411 or MATH 421

** Students must complete either MATH 361S or MATH 362S depending on their concentration