

Mathematics, BS- w/Precalculus

4-Year Pathway 2025/26 - 2029/30

Fall Freshman Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units 14	Requirements Met GE/UR/Major
MATH 130*	Precalculus	5	Area 2, Major
FYS 143 OR FYS 145	Any First Year Seminar with GE	3	e.g FYS + Area 3B
HCOM 125	English Composition GE	3	Area 1A
HCOM 243	Ethnic Studies GE	3	Areas 6; US1
Spring Freshman Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units 15	Requirement Met GE/UR/Major
MATH 150	Calculus I	4	Major
HCOM 110	Oral Communication GE	3	Area 1C
BIO 131 OR HCOM 200	Critical Thinking GE	3	Area 1B
CST 274 OR HCOM 265	US History GE	3	Area 4A, US1
Elective		2	
Fall Sophomore Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units 16	Requirement Met GE/UR/Major
MATH 230	Elementary Linear Algebra	3	Major
MATH 151	Calculus II	4	Major
MATH 320	Applied Probability and Statistics	4	Major
CART 231, JAPN 213, LS 233	Arts GE	3	Area 3A
ENVS 201	Biological Science (with Lab) GE	4	Area 5B & 5C
Spring Sophomore Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units 14	Requirement Met GE/UR/Major
MATH 240	Elementary Differential Equations	3	Major
MATH 250	Multivariate Calculus	4	Major
HCOM 2602 OR SL 210s	Civics/Service Learning GE	3	Area 4, US2&3
CST 231/L OR CST 319	Problm-Solving/Programng or Computing Across Disciplines	4	Major and/or Area 2 UDGE
Fall Junior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units 16	Requirement Met GE/UR/Major
MATH 300	Major Proseminar	3	GWAR, Major

MATH 322	Foundations of Modern Math	4	Major
ENVS 282 OR CHEM 109	Physical Science GE	3	Area 5A
Elective		3	
Elective		3	
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*	Service Learning for Mathematics Consultants OR MATH/STAT Elective	4	UDSL, Major (Concentration)
Math 420	Mathematical Analysis I	4	Major
Any Approved Course	UD C with World Culture & Languages GE	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*	Mathematical Analysis II or MATH/STAT Course	4	Major (Concentration)
MATH 361S** or MATH/STAT Elective*	Mathematics Tutors OR MATH/STAT Elective	4	UDSL, Major or Major (Concentration)
STAT 310 or Any Approved Course	Data Visualization OR Any Approved Course	3	Area 2 UDGE, Major
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)
Math/Stat Elective	MATH/STAT Elective	4	Major (Concentration)
Any Approved Course	UD Area 4 Social and Behavioral Sciences GE	3	Area 4 UDGE

*Major Concentration courses will vary depending on which concentration is declared.

** Students must complete either MATH 361s or MATH 362s