

Mathematics (BA or BS)

FALL - Semester 1

MATH 198: Analytic Geometry with Calculus I
TRU 117: Self & Society Sem: Game Theory
TRU 100: Truman Symposium
 Dialogues coursework

FALL - Semester 3

MATH 200: Foundations of Mathematics
MATH 264: Analytic Geometry with Calculus III
 CHEM 130 or PHYS 195
 Foreign Language

FALL - Semester 5

MATH 451: Algebraic Structures I
MATH XXX: One course from List A or B
JINS 3XX: Junior Interdisciplinary Seminar
 Dialogues or BS/BA coursework
 Elective

FALL - Semester 7

MATH 461: Advanced Calculus I
MATH 499: Mathematics Capstone Seminar
 Electives

SPRING - Semester 2

MATH 263: Analytic Geometry with Calculus II
 CS 170: Intro to Computer Science
 Dialogues coursework

SPRING - Semester 4

STAT 290: Statistics
MATH 357: Linear Algebra
 Dialogues coursework
 Foreign Language

SPRING - Semester 6

MATH 398: Junior Seminar in Mathematics
MATH XXX: One course from List A or B
MATH XXX: One course from List A or B
 Dialogues or BS/BA coursework
 Elective

SPRING - Semester 8

MATH XXX: One course from List A or B
MATH XXX: One course from List A or B
 Electives (as needed) to total at least 120 hours

NOTES:

Graduation Requirements: Total credit hrs \geq 120
 (40 credit hrs @ 300-level or higher)

List A of Elective Courses:

MATH 363: College Geometry
 MATH 440: Topology
 MATH 447: Combinatorial Analysis
 MATH 452: Algebraic Structures II
 MATH 454: Theory of Numbers
 MATH 462: Advanced Calculus II
 MATH 465: Differential Geometry
 MATH 468: Intro to Set Theory
 MATH 469: Intro to Math Logic
 MATH 515: Complex Variables I
 STAT 570: Math. Probability & Stat. I

List B of Elective Courses:

MATH 300: Introduction to Numerical Analysis
 MATH 330: Mathematics of Finance
 MATH 335: Game Theory
 MATH 345: Introduction to Mathematical Biology
 MATH 347: Discrete Mathematics
 MATH 364: Vector Analysis
 MATH 365: Ordinary Differential Equations
 MATH 400: Methods of Optimization
 MATH 455: History of Mathematics I
 MATH 456: History of Mathematics II
 MATH 464: Higher Geometry
 MATH 511: Numerical Analysis
 MATH 521: Partial Differential Equations
 MATH 530: Topics in Mathematical Modeling
 MATH 564: Advanced Linear Algebra
 STAT 571: Mathematical Probability and Statistics II

The Dialogues Curriculum requires a certain number of courses/credit hours in the following Perspectives: Social, Arts and Humanities, STEM, Communications, and Statistics. The exact number of courses a student will be required to take during their undergraduate career varies individually according to the credit transferred in.

Department Chair: Please contact the [Center for Academic Excellence](#) with any updates to the plan above.