Sample Four Year Plan

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

SPRING - Semester 2
MATH 263: Analytic Geometry with Calculus II
CS 170: Intro to Computer Science
Dialogues coursework

FALL - Semester 3
MATH 200: Foundations of Mathematics
MATH 264: Analytic Geometry with Calculus III
CHEM 130 or PHYS 195
Foreign Language

SPRING - Semester 4
STAT 290: Statistics
MATH 357: Linear Algebra
Dialogues coursework
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

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

FALL - Semester 7
MATH 461: Advanced Calculus I
MATH 499: Mathematics Capstone Seminar
Electives

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>=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.