



Sample Four Year Plan

Mathematics (BA or BS)

FALL - Semester 1

MATH 198: Analytic Geometry with Calculus I
TRU 1xx: Self & Society Sem: Game Theory
Liberal Studies Program (LSP) coursework

FALL - Semester 3

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

FALL - Semester 5

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

FALL - Semester 7

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

SPRING - Semester 2

MATH 263: Analytic Geometry with Calculus II
CS 170: Intro to Computer Science
Liberal Studies Program (LSP) coursework

SPRING - Semester 4

STAT 290: Statistics
MATH 357: Linear Algebra
LSP coursework
LSP 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
LSP or BS 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

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 467: Logic and Set Theory
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

Department chair: please contact the Center for Academic Excellence with any updates to the plan above.