MATHEMATICS DEGREE FLOWCHART

Calculus I
MATH 2413

Calculus II
MATH 2414

Algorithms in Applied Mathematics
MATH 3380

(if needed for preparation) Pre-Calculus
MATH 2312

Co- or pre-requisite

Foundations of Mathematics
MATH 3425

Linear Algebra and Matrix Theory
MATH 3315

Ordinary Differential Equations
MATH 3305

Multivariate Calculus
MATH 2415

Abstract Algebra I
MATH 3336

Analysis I
MATH 3345

Theory of Probability
MATH 4350

Nonlinear ODE
MATH 3373

Partial Differential Equations
MATH 4373

Partial Differential Equations
MATH 4373

Or

Applied Statistics
MATH 4351

Geometric Systems
Required for teachers
MATH 3365

Topics in Math
Permission Required
MATH 4399

Number Theory
MATH 4301

Introduction to Complex Analysis
MATH 4342

Topology
MATH 4306

Combinatorics
MATH 4321

Modeling and Numerical Analysis
MATH 4380

All courses in bold have MATH 3425 as a pre-requisite.

One course required from among these four.

Senior Seminar I
MATH 4160

Senior Seminar II
MATH 4161

Taken last two semesters

4 courses required from among these 11