Comprehensive Emphasis Prerequisite Flow Chart

MATH 413 (F/S)
Linear Algebra
Required

MATH 432 (S)
Topology
suggested

MATH 425A (F)
Real Anls Sing Var
Required

MATH 425B (S)
Real Anls Sev Var
Required

MATH 415A (F)
Abstract Algebra
Sequence option 1

MATH 415B (S)
Abstract Algebra
Sequence option 1

MATH 424 (S)
Complex Analysis
Required

MATH 423 (F/S/Sum)
Formal Math Reasoning/Writing

MATH 223 (F/S/Sum)
Vector Calculus

MATH 313 (F/S/Sum)
Intro to Linear Alg

MATH 323 (F/S/Sum)
Intro to Linear Alg
(Recommended)

MATH 355 (F/S)
Anls Ord Diff Eqns

MATH 223 (F/S/Sum)
Vector Calculus

MATH 313 (F/S/Sum)
Intro to Linear Alg

MATH 355 (F/S)
Anls Ord Diff Eqns

MATH 454 (F/S)
ODEs
Sequence option 2

MATH 456 (S)
PDEs
Sequence option 2

AND

AND

= Required for Math major

= Required for this emphasis

= Multiple options are available to fulfill requirement

= Recommended for students planning to attend grad school in Math