

Pure Math - The Pure Mathematics Track provides a good foundation for graduate study in a variety of subjects such as economics, finance, business, computer science, mathematics, and physics.

Required courses:

Math 1910-Calculus I

Math 1920-Calculus II

Math 2010-Introduction to Linear Algebra

Math 2110-Calculus III

Math 2120-Differential Equations

Math 3810-Complex Variables

Math 3400-Introduction to Concepts of Mathematics

Math 3430-College Geometry OR Math 4410-Differential Geometry OR Math 4310-
Introduction to Topology

Math 4010-Modern Algebra I

Math 4530-Linear Algebra I

Math 4470-Probability and Statistics I

Math 4110-Advanced Calculus I

Suggested courses include the required courses listed above and the following courses:

MATH 4020 Modern Algebra II

MATH 4120 Advanced Calculus II

MATH 4310 Introduction to Topology I

MATH 4350 Introductory Combinatorics and MATH 4360 Graph Theory

MATH 4540 Linear Algebra II

MATH 4850 Computational Algebraic Geometry I and MATH 4860 Computational Algebraic
Geometry II