

Prerequisite Coursework

For Admission to Statistics (MS or PhD) | University of Nebraska-Lincoln



Applicant Full Name

Applicant Email Address

Date

Course at UNL	Equivalent Course You Have Taken		
	Institution	Course Number and Title	Grade
MATH 106: Calculus I			
MATH 107: Calculus II			
MATH 208: Calculus III			
MATH 314: Matrix Algebra			
STAT 218: Intro to Statistics			

Course Descriptions (for reference)

MATH 106: Calculus I

Functions of one variable, limits, differentiation, exponential, trigonometric and inverse trigonometric functions, maximum-minimum, and basic integration theory (Riemann sums) with some applications.

MATH 107: Calculus II

Integration theory; techniques of integration; applications of definite integrals; series, Taylor series, vectors, cross and dot products, lines and planes, space curves.

MATH 208: Calculus III

Vectors and surfaces, parametric equations and motion, functions of several variables, partial differentiation, maximum-minimum, Lagrange multipliers, multiple integration, vector fields, path integrals, Green's Theorem, and applications.

MATH 314: Matrix Algebra

Fundamental concepts of linear algebra, including properties of matrix arithmetic, systems of linearequations, vector spaces, inner products, determinants, eigenvalues and eigenvectors, and diagonalization.

STAT 218: Intro to Statistics

The practical application of statistical thinking to contemporary issues; collection and organization of data; probability distributions; statistical inference; estimation; and hypothesis testing.