Statistics & Data Science major Prerequisite Flow Chart: 2024 requirements

MATH 122A (F/S/Sum)
Fns for Calculus

MATH 122B (F/S/Sum)
1st Sem Calculus

MATH 223 (F/S/Sum)
Vector Calculus

DATA 201 (F/S/Sum)
Foundations of Data Science (BC Gen Ed) required for new students Fall 2024

DATA 129 (F/S/Sum)
Intro to Linear Alg

CSC 110/ISTA 130
Python Programming (offerings vary)

ISTA 322 (F/S/Sum)
Data Engineering (or equivalent SQL course)
pre- or co-requisite

DATA 375 (F/S)
Statistical Computing

DATA 363 (F/S/Sum)
Intro to Stat Methods

DATA 467 (F/S)
Applied Linear Models

DATA 498A (S)
Capstone for SDS

MATH 129 (F/S/Sum)
Calculus II

MATH 125 (F/S)
Accel Calculus (alternative to 122 via special placement)

DATA 201 (F/S/Sum)
Foundations of Data Science (BC Gen Ed) required for new students Fall 2024

DATA 474 (S)
Intro to Statistical Machine Learning required for new students Fall 2024

MATH 464 (F/S)
Theory of Probability

MATH 466 (F/S)
Theory of Statistics

All courses listed are required for students who are new as of Fall 2024, including one DATA elective course (see official requirements for list of available courses).

= C or better required in prerequisite

= Strongly recommended

= Required for either SDS or Math major

= Required for SDS majors who are new to UA in Fall 2024 or later

= Required for ALL SDS majors