

# How to Choose Between Math 1580 or 1680 at UNT

At UNT, Math 1580 and 1680 are non-technical math courses that satisfy the mathematics requirement for the university core and are designed to efficiently provide a college-level mathematics experience to UNT students who are in majors and programs that do not require a high degree of technical algebra proficiency. These courses help UNT students build the quantitative literacy, mathematical affinity, and critical thinking skills required to fully make use of and appreciate the quantitative aspects of a typical university course experience.

## Math 1580 Survey of Math.

Topics include probability, statistics, algebra, logic and the mathematics of finance. Additional topics are selected from geometry, sets, cryptography, fair division, voting theory and graph theory. Emphasis is on applications. Historical aspects of selected topics are also included.

The topics are not tightly connected and some topics do not make heavy use of numbers and equations.

## Math 1680

### Elementary Probability and Statistics.

An introductory course to serve students of any field who want to apply statistical inference. Descriptive statistics, elementary probability, the normal curve, confidence intervals, and hypothesis testing.

A sequential treatment of probability and statistics, where topics later in the semester build upon earlier material and with a greater use of numbers and equations.

You should always **consult your advisor** before making your choice.

Math 1680 (Elementary Probability & Statistics) is <b>REQUIRED</b> by these programs	Geography, Kinesiology, Medical Laboratory Science (including Cytotechnology), Merchandising and Digital Retailing, Data Science, Psychology, Audiology & Speech-Language Pathology, and all degree programs in the School of Journalism
Math 1680 (Elementary Probability & Statistics) is <b>PREFERRED</b> by these programs	Political Science, Sociology, and all degree programs in the College of Health and Public Service
Math 1580 (Survey of Mathematics) is often <b>RECOMMENDED</b> in these programs	Arts, Humanities, Music, Dance and Theatre