Undergraduate Academic Certificate in Statistics

The University of North Texas offers upper-division undergraduate academic certificates to meet workforce needs or to provide students with life/career skills and knowledge and to allow for specialization in academic disciplines. Academic certificates are special designations noted on a student's transcript and may be recorded on a student's transcript once all the requirements for the certificate have been completed.

Prerequisite Courses

- Math 1710 and 1720 (Calculus I and II)
- Math 2730 (Multivariable Calculus)

Required Courses

- Math 3680 (Applied Statistics)

- Math 4610 (Probability)

- Math 4650 (Statistics)

- One additional (generally advanced) course applying statistics to another discipline. This course must be approved by an Undergraduate Advisor in the Mathematics Department. Some typical courses that can be used are listed below.

Advanced Courses Applying Statistics to Other Disciplines

Students should choose one (generally advanced) course applying statistics to another discipline in consultation with one of the undergraduate advisors in the mathematics department. The following are common course selections:

Chemistry
CHEM 3451/2: Quantitative Analysis (Prerequisite: CHEM 1440)

Decision Sciences
DSCI 3870: Management Science (Prerequisites: ECON 1100 and ECON 1110)

Economics
ECON 4870: Introduction to Econometrics
ECON 4875: Empirical Linear Modeling (Prerequisite: ECON 4870)

Geography
GEOG 3190: Quantitative Methods in Geography
GEOG 4410: Location-Allocation Modeling (Prerequisites: GEOG 2100 and GEOG 3190)

Physics
PHYS 4110: Statistical and Thermal Physics (Prerequisite: PHYS 3010/30)
PHYS 4310: Quantum Mechanics (Prerequisite: PHYS 3010/30)

Political Science
PSCI 2300: Introduction to Political Research (Prerequisite: PSCI 1040 or 1050)

Psychology
PSYC 3630: Introduction to Psychological Measurement (Prerequisite: PSYC 2317)