Post-Baccaulaureate Certifiate in Applied Statistics

About This Program

The Certificate in Applied Statistics offers individuals with an undergraduate degree an opportunity to receive graduate instruction in applied statistics as a means of maintaining and enhancing their professional development. The certificate program will provide coursework in statistics to an individual whose undergraduate major was outside the area of statistics. Since the requirements for the certificate are substantially less than those for the Master's Degree in Mathematics with a concentration in Statistics, the certificate can be earned in a much shorter time span. When applicable, the courses taken in the certificate program can also be used to satisfy a Master of Science in Mathematics degree requirement at UTA and other institutions. Consult with the graduate advisor for advice on graduate course transfer.

Competencies

1. Upon graduation, students will be able to identify, formulate, and solve a wide range of statistical problems.
2. Students will be able to apply appropriate methodologies, interpret data within context and effectively communicate their findings to technical and non-technical audiences.
3. Students will be able to tackle real-world challenges across diverse domains such as science, industry, government, and healthcare using analytical and computation skills

Admissions Criteria

1. A bachelor's degree in mathematics or closely related field.
2. An overall GPA in the final 60 hours of coursework of a 3.0 or better, as calculated by the Graduate School, on a 4.0 scale.
3. Minimum of 350 on the verbal and 650 on the quantitative portions of the Graduate Record Examination (GRE) if taken prior to August 2011. Minimum of 143 on the verbal and 151 on the quantitative portions of the GRE if taken after August 2011.
4. For applicants whose native language is not English, a minimum score of 550 on the Test of English as a Foreign Language (or a minimum score of 213 on a computer-based test, or a minimum score of 79 on an internet-based test) or a minimum score of 40 on the Test of Spoken English.
5. Three favorable letters of recommendation from people familiar with the applicant's academic work.

Applicants who do not satisfy requirements 2 or 3 above may be considered for unconditional admission if further review of their undergraduate transcript, recommendation letters, correspondence or direct interactions with mathematics faculty, and statement of professional or research interests indicates that they are qualified to enter the Master's Program without deficiency.

If an applicant does not meet a majority of standards for unconditional admission outlined above, they may be considered for probationary admission after careful examination of their application materials. Probationary admission requires that the applicant receive a B or better in the first 12 hours of graduate coursework at UT Arlington.

Students who are unconditionally admitted or admitted on probation will be eligible for available scholarship and/or fellowship support. Award of scholarships or fellowships will be based on consideration of the same criteria utilized in admission decisions. To be eligible, candidates must be new students coming to UT Arlington in the fall semester, must have a GPA of 3.0 in the last 60 undergraduate credit hours plus any graduate credit hours as calculated by the Graduate School, and must be enrolled in a minimum of 6 hours of coursework in both long semesters to retain the fellowship.

Applicants may be denied admission if they have less than satisfactory performance on a majority of the admission criteria described above.

A deferred decision may be granted when a file is incomplete or when a denied decision is not appropriate. An applicant unable to supply all required documentation prior to the admission deadline, but who otherwise appears to meet admission requirements, may be granted provisional admission.

Curriculum

Foundations		
STATS 5312	MATHEMATICAL STATISTICS I	3
STATS 5313	MATHEMATICAL STATISTICS II	3
Electives		
Select three from the following:		9
STATS 5305	STATISTICAL METHODS	
MATH 5354	CATEGORICAL DATA ANALYSIS	
STATS 5358	REGRESSION ANALYSIS	
MATH 5359	SURVIVAL ANALYSIS	
MATH 5392	SELECTED TOPICS IN MATHEMATICS (When topic is Statistical Quality Control)	

MATH 5392	SELECTED TOPICS IN MATHEMATICS (When topic is Statistical Methods in Clinical Research)
MATH 6390	BAYESIAN DATA ANALYSIS

Program Completion

Upon completion of the 15 hours of graduate courses with a minimum GPA of 3.0, the student is awarded the Certificate in Applied Statistics. The expected time to completion is 1 to 2 years. The time limit for completion of the certificate program is 6 years.

Advising Resources

FOR PHD AND MASTER OF SCIENCE (M.S.) ADVISING

Location:

Pickard Hall 403

Email:

hristo@uta.edu

Phone:

(817) 272-5763

Web:

Contact Information and Scheduling (https://www.uta.edu/academics/schools-colleges/science/departments/mathematics/advising/)

FOR MASTER OF ARTS (M.A.) ADVISING

Location:

Pickard Hall 434

Email:

mathgradMAadvising@uta.edu

Phone:

817-272-3261

Web:

Contact Information and Scheduling (https://www.uta.edu/academics/schools-colleges/science/departments/mathematics/advising/)