Statistics

Admission Requirements

The well-prepared applicant to the department’s Master’s programs has good grades in a three-semester calculus sequence, a two-semester advanced calculus sequence, a semester of linear algebra, and a two-semester sequence in probability and statistics. Some of these courses may be taken as part of the program, but this may result in lengthening the stay. Students may apply to either the Master’s or PhD program directly from a Bachelor’s degree. GRE General Test scores are required for the in-person program, but Subject Test scores are not. Due to the differences in student backgrounds, there is a separate admissions process for the online and in-person programs.

The written statement should not exceed two pages and should describe the applicant’s academic and career goals as well as special interests in the area of statistics. Applicants may also submit a resume. Individuals applying for fall enrollment and who wish to be considered for financial aid should have their completed applications in by no later than December 15 of the preceding year. Applications arriving after that will be considered but may be assigned lower priority. Starting Summer of 2013, we will begin to offer courses to allow a student to complete the Master of Statistics degree in one calendar year. The one year masters program has the same requirements as the current Master of Statistics program. Since courses start in the summer, the deadline to submit completed applications is January 15 of the same year, and student should apply for ‘Summer 1’ admission. Students are not normally admitted for spring.

Master’s Degree Requirements

All Master’s programs in statistics require a minimum of 34 credit hours, of which 12 are first-year core (ST 512, ST 521, ST 522, ST 552 and their labs), one is supervised consulting (ST 641). The remainders are statistics and/or supporting electives.

Doctoral Degree Requirements

The Ph.D. program in statistics requires 22 course credit hours beyond the Master’s, of which 9 are Ph.D. core courses (ST 779, ST 793, and ST 758), one is supervised consulting (ST 841), and 12 are Ph.D.-level statistics electives.

Student Financial Support

Departmental assistantships and fellowships are awarded to students in the Ph.D. program each year on a competitive basis.

Other Relevant Information

With a large graduate faculty representing virtually all major statistical specializations, the department is recognized as a world leader in graduate education and research in statistics. The Department provides a dynamic environment for teaching, core research and collaborative research across disciplines, with formal program concentrations in biostatistics, bioinformatics, environmental, financial and mathematical statistics.

Degrees

- Statistics (MR) (http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-mr/)
- Statistics (MR): Biostatistics Concentration (http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-mr-biostatistics-concentration/)
- Statistics (MR): Distance Track (http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-mr-distance-track/)
- Statistics (PhD) (http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-phd/)
- Statistics (Minor) (http://catalog.ncsu.edu/graduate/sciences/statistics/statistics-minor/)
- Statistics Education (Certificate) (http://catalog.ncsu.edu/graduate/sciences-statistics/statistics-education-certificate/)

Faculty

Full Professors

Dennis D. Boos
Marie Davidian
Sujit K. Ghosh
Subhashis Ghosal
Kevin Gross
Marcia Lynn Gumpertz
Jacqueline M. Hughes-Oliver
Eric Benjamin Laber
Wenbin Lu
Ryan G. Martin
Spencer V. Muse
Jason A. Osborne
Brian J. Reich
Rui Song
Ana-Maria Staicu
Leonard A. Stefanski
Jeffrey L. Thorne
Jung-Ying Tzeng
Alyson Gabbard Wilson
Fred Andrew Wright
Associate Professors
Daowen Zhang
Xinge Jessie Jeng
Arnab Maity
Donald Eugene Kemp Martin
Thomas W. Reiland
Charles Eugene Smith

Assistant Professors
Eric C. Chi
Emily Hector
Srijan Sengupta
Jonathan W. Stallrich
Minh Tang
Jonathan Paul Williams
Luo Xiao
Shu Yang

Practice/Research/Teaching Professors
Jonathan W. Duggins
Emily H. Griffith
Herle M. McGowan
Logan J. Opperman
Justin B. Post
Paul R. Savariappan
Shuting Wang

Emeritus Faculty
William Reid Atchley
Peter Bloomfield
Cavell Brownie
David Alan Dickey
Thomas Michael Gerig
Harvey J. Gold
Thomas Johnson
John F. Monahan

Kenneth Hugh Pollock
Charles P. Quesenberry
John Oren Rawlings
Don L. Ridgeway
Moon Won Suh
William H. Swallow
Anastasios A. Tsiatis
John L. Wasik

Adjunct Faculty
Howard D. Bondell
Soumendra Nath Lahiri
Alison Anne Motsinger-Reif
Eric A. Stone
Yichao Wu