

Auburn University Department of Mathematics and Statistics

Information for Prospective Graduate Students

The Department of Mathematics and Statistics offers programs leading to the Master of Science and Doctor of Philosophy (with concentrations in pure mathematics, applied mathematics, or statistics), the non-thesis Master of Applied Mathematics, and the non-thesis Master of Probability and Statistics. In addition, the department regularly offers actuarial science courses that are approved by both the Society of Actuaries and the Casualty Actuarial Society; they are designed to provide the background and material covered in the first 3 actuarial exams.

The Master of Applied Mathematics gives students a strong foundation in one of several fundamental areas of applied mathematics. It is a flexible degree with courses being chosen in conjunction with the advisory committee, some of which may be relevant courses offered by other departments.

The Master of Probability and Statistics and the Master of Science in Statistics degrees provide a solid foundation for careers involving applications of statistics.

The Master of Science degree in Mathematics develops content knowledge of the student through coursework and provides the opportunity to delve deeper into an area of mathematics through the writing of a thesis.

The Ph.D. is designed to give students a thorough understanding of a broad body of knowledge related to their field of study, as well as to develop their research capabilities. A statistics concentration is available for the Ph.D. degree.

The internationally known faculty of around 50 professors works in areas of algebra, analysis, discrete mathematics, geometry, linear algebra, logic, numerical analysis, partial differential equations, probability, set theory, statistics, and topology. Many professors maintain applied research programs associated with several government and industrial laboratories, and several hold the Associate of the Society of Actuaries designation.

Admission to the program is based on a student's prior academic record, letters of recommendation from former teachers, and scores on the GRE General Test (the GRE Subject Test is not required). All applicants need to have a four-year bachelor's degree from an accredited institution or equivalent qualifications. A bachelor's degree in mathematics or statistics is not required, but students with insufficient mathematics or statistics backgrounds may be expected to take appropriate courses to make up deficiencies.

Most students in the program are supported financially during their studies through

- graduate teaching assistantships,
- tuition waivers provided to all teaching assistants,
- various departmental fellowships, awarded annually to qualified students,
- graduate research assistantships, available in conjunction with departmental contractual research programs.

All international students are required to pass the TOEFL (or an equivalent test) with adequate scores (79 total on the iBT TOEFL, 16 on each of the four parts). International GTAs who have responsibility for teaching a class must demonstrate adequate oral communication skills, for example, with a score of at least 23 on the speaking part of the iBT TOEFL or a score of at least 50 on the TSE (Test of Spoken English). This qualification is not required upon admission, but must be achieved during the first year in the program. GRE and TOEFL scores must be officially reported by ETS to the Auburn University Graduate School before applicants can be admitted.

For further information, please see

<http://www.auburn.edu/academic/cosam/departments/math/grad>

or contact the current Graduate Program Officer.

Graduate Teaching Assistantship Application

Please complete this form and return it to:

Graduate Program Officer
Department of Mathematics and Statistics
221 Parker Hall
Auburn University, AL 36849-5310

NAME: _____
(Family name, first name, middle name)

PRESENT ADDRESS: _____

TELEPHONE: _____

E-MAIL: _____

DATE OF BIRTH: _____ PLACE OF BIRTH: _____

SEX: _____

CITIZENSHIP: UNITED STATES _____ OTHER (PLEASE SPECIFY) _____

HAVE YOU EVER BEEN DISCHARGED OR FORCED TO RESIGN FROM ANY POSITION?

YES _____ NO _____ IF YES, EXPLAIN FULLY: _____

MILITARY STATUS:

NON-VETERAN _____ VETERAN _____ RESERVIST _____ NATIONAL GUARD _____ N/A _____

RECORD OF EMPLOYMENT

ORGANIZATION	TITLE OR POSITION	INCLUSIVE DATES
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_____	_____	_____
_____	_____	_____
_____	_____	_____

FORMAL EDUCATION

COLLEGES OR UNIVERSITIES ATTENDED	DEGREES	DATES
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_____	_____	_____
_____	_____	_____
_____	_____	_____

PLEASE ATTACH A PAGE LISTING EACH MATH CLASS YOU HAVE TAKEN THAT SHOWS THE FOLLOWING INFORMATION (LIST UNDERGRADUATE AND GRADUATE COURSES SEPARATELY):

- NAME OF COURSE
- INSTITUTION WHERE IT WAS TAKEN AND WHEN
- GRADE

SCHOLASTIC HONORS, MEMBERSHIP IN HONOR SOCIETIES, AND PARTICIPATION IN OTHER COLLEGE ACTIVITIES:

WHEN DO YOU PLAN TO ENTER GRADUATE SCHOOL? YEAR: _____ SEMESTER: _____

PROPOSED MAJOR FIELD OF GRADUATE STUDY: _____

CUMULATIVE UNDERGRADUATE GRADE POINT AVERAGE: _____

CUMULATIVE GRADUATE GRADE POINT AVERAGE (if any): _____

GRADUATE RECORD EXAMINATION:

VERBAL: _____ QUANTITATIVE: _____ ADVANCED MATH (not required): _____

LANGUAGES IN WHICH YOU HAVE READING ABILITY:

FRENCH ___ GERMAN ___ RUSSIAN ___ ITALIAN ___ OTHER (SPECIFY) _____

OTHER INFORMATION WHICH MAY BE SIGNIFICANT: _____

REFERENCES: (List three, with names, addresses, and positions, and have them send letters to the department.)

INTERNATIONAL STUDENTS: A total score of 79 on the iBT TOEFL is required, with minimum scores of 16 on each of the four parts (reading, listening, speaking, and writing). You must have these scores officially reported to the Auburn University Graduate School by ETS.

TOEFL TOTAL _____ READING _____ LISTENING _____ SPEAKING _____ WRITING _____

TSE _____

NAME/SIGNATURE: _____ DATE: _____