



Graduate Program

Statistics



The University of Iowa offers both a M.S. Program and Ph.D. Program in Statistics

The master's program in statistics prepares students for careers as professional statistician or for entry into the Ph.D. program. It includes a solid foundation in statistical computing, statistical modeling, experimental design and mathematical statistics plus electives in statistical methods and/or theory. Student have the opportunity to concentrate on theory, application or a combination of the two.

The doctoral program in statistics prepares student for careers in research, applications and teaching. Students choose one of four areas of concentration for their coursework: biostatistics, probability/ mathematical statistics, statistical modeling and computing and actuarial science/ financial mathematics.

For more information contact us at: statistics@uiowa.edu or www.stat.uiowa.edu or 319.335.0712 or www.stat.uiowa.edu

TYPICAL M. S. COURSE SCHEDULE

Year 1, Fall

- STAT:5090 ALPHA Seminar (1 s.h.)
- STAT:5100 Statistical Inference I
- STAT:5200 Applied Statistics I
- STAT:5400 Computing in Statistics

Year 1, Spring

- STAT:5101 Statistical Inference II
- STAT:5201 Applied Statistics II
- STAT:5120 Mathematical Methods for Statistics or STAT:6560 Applied Time Series Analysis

Year 2, Fall

- M.S. Final Examination
- STAT:6300 Probability and Stochastic Process I
- STAT:6990 Creative Component
- An elective, e.g., STAT:6540 Applied Multivariate Analysis

Year 2, Spring

- STAT:6220 Statistical Consulting
- STAT:6990 Creative Component
- An elective, e.g., STAT:6510 Applied Generalized Regression

Ph.D. Requirements

- 72 semester hours of graduate courses (including M.S.)
- High pass on Graduate Core / Creative component
- Comprehensive Exam
- Dissertation Prospectus (oral presentation)
- Dissertation

Typically it takes 5 years (total) to complete Ph.D.