STATISTICS, PHD

The Department of Statistics offers a rich variety of courses and seminars in almost all branches of statistical theory and applications. The PhD program provides excellent training in the modern theory, methods and applications of statistics and prepares students to become independent researchers. Graduates are prepared for positions in academia, business, or government. The median time to degree is five years.

The PhD program also has an option in biostatistics with slightly different course requirements, but students can freely switch between options after enrollment. The admissions process pools together all applicants to the PhD programs regardless of option, so there is no need to apply to both programs.

The department strives to support students in the PhD program as teaching, research, or project assistants.

The Statistics Department provides extensive computing facilities, both hardware and software, to support instruction and research. Several computers and advanced graphic workstations are available for use in advanced courses enabling students to pursue the latest research directions in statistical computing and graphics. Common statistical packages and libraries are available on a variety of machines.

The department may be consulted for specific career information. See the department website (http://www.stat.wisc.edu/) for application materials and deadlines.

ADMISSIONS

ADMISSIONS

Students apply to the PhD in Statistics through one of the named options:

- Biostatistics (http://guide.wisc.edu/graduate/statistics/statistics-phd/statistics-biostatistics-phd/)
- Statistics (http://guide.wisc.edu/graduate/statistics/statistics-phd/statistics-statistics-phd/)

FUNDING

FUNDING

GRADUATE SCHOOL RESOURCES

Resources to help you afford graduate study might include assistantships, fellowships, traineeships, and financial aid. Further funding information (https://grad.wisc.edu/funding/) is available from the Graduate School. Be sure to check with your program for individual policies and restrictions related to funding.

PROGRAM RESOURCES

Prospective students should see the program website (https://stat.wisc.edu/graduate-studies/phd-program/) for funding information.

REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/#policiesandrequirementstext), in addition to the program requirements listed below.

MAJOR REQUIREMENTS
CURRICULAR REQUIREMENTS

Requirement Detail	
Minimum Credit Requirement	51 credits
Minimum Residence Credit Requirement	32 credits
Minimum Graduate Coursework Requirement	26 credits must be graduate-level coursework. Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: https://policy.wisc.edu/library/UW-1244 (https://policy.wisc.edu/library/UW-1244/).
Overall Graduate GPA Requirement	3.00 GPA required. Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: https://policy.wisc.edu/library/UW-1203 (https://policy.wisc.edu/library/UW-1203/).
Other Grade Requirements	A grade of B or better must be received in any course used to fulfill the required and elective course requirements.
Assessments and Examinations	Students must pass the PhD qualifying examination, an oral preliminary examination on a topic selected with the approval of the student's advisor, and a dissertation defense.
Language Requirements	No language requirements.
Graduate School Breadth Requirement	See Named Options for policy information.

REQUIRED COURSES

Select a Named Option (https://guide.wisc.edu/graduate/statistics/statistics-phd/) for courses required.

NAMED OPTIONS

A named option is a formally documented sub-major within an academic major program. Named options appear on the transcript with degree conferral. Students pursuing the PhD in Statistics must select one of the following named options:

View as listView as grid

- **STATISTICS: BIOSTATISTICS, PHD (HTTP://GUIDE.WISC.EDU/GRADUATE/ STATISTICS/STATISTICS-PHD/STATISTICS-BIOSTATISTICS-PHD/)**
- **STATISTICS: STATISTICS, PHD (HTTP:// GUIDE.WISC.EDU/GRADUATE/STATISTICS/ STATISTICS-PHD/STATISTICS-STATISTICS-PHD/)**

POLICIES

POLICIES

Students should refer to one of the named options for policy information:

- Biostatistics (http://guide.wisc.edu/graduate/statistics/statistics-phd/statistics-biostatistics-phd/)
- Statistics (http://guide.wisc.edu/graduate/statistics/statistics-phd/ statistics-statistics-phd/)

PROFESSIONAL DEVELOPMENT

PROFESSIONAL DEVELOPMENT
GRADUATE SCHOOL RESOURCES

Take advantage of the Graduate School's professional development resources (https://grad.wisc.edu/pd/) to build skills, thrive academically, and launch your career.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. Articulates research problems, potentials, and limits with respect to the theories, methodologies, and/or applications of statistics.
2. Formulates ideas, concepts, designs, and methods beyond the current boundaries of knowledge within statistics.
3. Creates research that makes a substantive contribution to theoretical and/or applied statistics.
4. Demonstrates breadth in the theories, methodologies, and applications of statistics.
5. Advances contributions of statistics to society.
6. Communicates complex ideas in a clear and understandable manner.
7. Fosters ethical and professional conduct.

PEOPLE

PEOPLE
FACULTY

Cecile Ane (https://stat.wisc.edu/staff/ane-cecile/), Professor

Joshua Cape (https://stat.wisc.edu/staff/cape-joshua/), Assistant Professor

Richard Chappell (https://stat.wisc.edu/staff/chappell-rick/), Professor

Peter Chien (https://stat.wisc.edu/staff/chien-peter/), Professor

Jessi Cisewski-Kehe (https://stat.wisc.edu/staff/cisewski-kehe-jessi/), Assistant Professor

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Rishabh Dudeja (https://stat.wisc.edu/staff/dudeja-rishabh/), Assistant Professor

Nicolas Garcia Trillos (https://stat.wisc.edu/staff/trillos-nicolas-garcia/), Assistant Professor

Chris Geoga (https://stat.wisc.edu/staff/geoga-chris/), Assistant Professor

Yongyi Guo (https://stat.wisc.edu/staff/guo-yongyi/), Assistant Professor

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Hyunseung Kang (https://stat.wisc.edu/staff/kang-hyunseung/), Associate Professor

Matthias Katzfuss (https://stat.wisc.edu/staff/katzfuss-matthias/), Professor

Sunduz Keles (https://stat.wisc.edu/staff/keles-sunduz/), Professor

Bret Larget (https://stat.wisc.edu/staff/larget-bret/) (chair), Professor

Ben Lengerich (https://stat.wisc.edu/staff/lengerich-benjamin/), Assistant Professor

Keith Levin (https://stat.wisc.edu/staff/levin-keith/), Assistant Professor

Wei-Yin Loh (https://stat.wisc.edu/staff/loh-wei-yin/), Professor

Michael Newton (https://stat.wisc.edu/staff/newton-michael/), Professor

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Debdeep Pati (https://stat.wisc.edu/staff/pati-debdeep/), Professor

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Jun Zhu (https://stat.wisc.edu/staff/zhu-jun/), Professor