REQUIREMENTS FOR THE DOCTOR OF PHILOSOPHY IN BIOSTATISTICS
GRADUATE COLLEGE
THE UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER

For Students Entering the Oklahoma State System For Higher Education:

Summer 2025 through Spring 2026

Minimum Credit Hours and Grade Point Averages

Total Hours for Degree – **72**
Major Hours – 60

Grade Point Averages:
Overall: Combined OUHSC/Transfer – 3.5
Major: Combined OUHSC/Transfer - 3.0

DOCTOR OF PHILOSOPHY IN BIOSTATISTICS

1226R

PREREQUISITE REQUIREMENTS

Successful completion of a Master's degree in Biostatistics or related field. With approval of the department and the graduate dean, up to 40 credit hours from the master's program may be counted toward the Ph.D.

Minimum grade point average of 3.5.

Successful completion of the following courses:
Calculus & Analytic Geometry I
Calculus & Analytic Geometry II
Calculus & Analytic Geometry III
Calculus & Analytic Geometry IV

Successful completion of the following courses:

BSE 5001	Problems in Biostatistics & Epidemiology
BSE 5013	Applications of Microcomputers to Data Analysis
BSE 5033	Foundations & Overview of Public Health
BSE 5113	Principles of Epidemiology
BSE 5163	Biostatistics Methods I
BSE 5173	Biostatistics Methods II
BSE 5193	Intermediate Epidemiologic Methods
BSE 5663	Analysis of Frequency Data

PHD - BIOSTATISTICS CURRICULUM REQUIREMENTS

REQUIRED COURSES

BSE 5111	Scientific Integrity in Research
BSE 5153	Clinical Trials
BSE 6192	Grant Writing
BSE 5703	Principles of Theory of Probability
BSE 5733	Principles of Mathematical Statistics I
BSE 5743	Principles of Mathematical Statistics II
BSE 6553	Linear Models
BSE 5653	Non-Parametric Methods
BSE 6563	Longitudinal Data Analysis
BSE 6643	Survival Data Analysis
BSE 6663	Multivariate Biostatistics
Electives	Specialization electives (6 hours)
PATH 6024	Principles of Pathobiology
BSE 6980	Dissertation Research (20-25 hours)

Student's advisory committee sets the remainder of any needed requirements to meet the 72 hours required for the degree.

Student must earn at least 30 credit hours in coursework at the University of Oklahoma after admission to the Ph.D. program.

Other Requirements:
Complete training in Responsible Conduct of Research (RCR) and Protection of Human Research Subjects. Attendance at the OUHSC IRB In-House Education Program, and successful completion of one credit-hour course in RCR.

Pass General Written and Oral Examination
Submit Defense of Dissertation