

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

<p>For Students Entering the Oklahoma State System For Higher Education:</p> <p>Summer 2025 through Spring 2026</p>	<p style="text-align: center;">Minimum Credit Hours and Grade Point Averages</p> <hr/> <p style="text-align: center;">Total Hours for Degree – 90 Major Hours – 60</p> <hr/> <p>Grade Point Averages: Overall: Combined OUHSC/Transfer – 3.5 Major: Combined OUHSC/Transfer - 3.0</p>	<p style="text-align: center;">DOCTOR OF PHILOSOPHY IN BIOSTATISTICS</p> <p style="text-align: center;">1226R</p>
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<p style="text-align: center;">PREREQUISITE REQUIREMENTS</p> <p>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.</p> <p>Minimum grade point average of 3.5.</p> <p>GRE scores within the past 5 years.</p> <p>Successful completion of the following courses: Calculus & Analytic Geometry I Calculus & Analytic Geometry II Calculus & Analytic Geometry III Calculus & Analytic Geometry IV</p> <p>Successful completion of the following courses:</p> <table> <tr> <td>BSE 5001</td><td>Problems in Biostatistics & Epidemiology</td></tr> <tr> <td>BSE 5013</td><td>Applications of Microcomputers to Data Analysis</td></tr> <tr> <td>BSE 5033</td><td>Foundations & Overview of Public Health</td></tr> <tr> <td>BSE 5113</td><td>Principles of Epidemiology</td></tr> <tr> <td>BSE 5163</td><td>Biostatistics Methods I</td></tr> <tr> <td>BSE 5173</td><td>Biostatistics Methods II</td></tr> <tr> <td>BSE 5193</td><td>Intermediate Epidemiologic Methods</td></tr> <tr> <td>BSE 5663</td><td>Analysis of Frequency Data</td></tr> </table>	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	<p style="text-align: center;">PHD - BIOSTATISTICS CURRICULUM REQUIREMENTS</p> <p>REQUIRED COURSES</p> <table> <tr> <td>BSE 5111</td><td>Scientific Integrity in Research</td></tr> <tr> <td>BSE 5153</td><td>Clinical Trials</td></tr> <tr> <td>BSE 6192</td><td>Grant Writing</td></tr> <tr> <td>BSE 5703</td><td>Principles of Theory of Probability</td></tr> <tr> <td>BSE 5733</td><td>Principles of Mathematical Statistics I</td></tr> <tr> <td>BSE 5743</td><td>Principles of Mathematical Statistics II</td></tr> <tr> <td>BSE 6553</td><td>Linear Models</td></tr> <tr> <td>BSE 5653</td><td>Non-Parametric Methods</td></tr> <tr> <td>BSE 6563</td><td>Longitudinal Data Analysis</td></tr> <tr> <td>BSE 6643</td><td>Survival Data Analysis</td></tr> <tr> <td>BSE 6663</td><td>Multivariate Biostatistics</td></tr> <tr> <td>Electives</td><td>Specialization electives (6 hours)</td></tr> <tr> <td>PATH 6024</td><td>Principles of Pathobiology</td></tr> <tr> <td>BSE 6980</td><td>Dissertation Research (20-25 hours)</td></tr> </table> <p>Student’s advisory committee sets the remainder of any needed requirements to meet the 90 hours required for the degree.</p> <p>Student must earn at least 30 credit hours in coursework at the University of Oklahoma after admission to the Ph.D. program.</p> <p>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.</p> <p>Pass General Written and Oral Examination Submit Defense of Dissertation</p>	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)
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