

**The University of Oklahoma
Hudson College of Public Health
Department of Biostatistics and Epidemiology**



***Master of Science
Biostatistics***

Course Requirements

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| • Foundations and Overview of Public Health course | 3 credit hours |
| • Required BSE courses | 24 credit hours |
| • Elective BSE courses | 12 credit hours |

Any MS or PhD student who has not previously completed the core MPH courses or earned a MPH degree will be required to complete an overview course in public health. At the first opportunity students should enroll in BSE 5033 Foundations and Overview of Public Health (3 hours)

Required BSE Courses

BSE 5001	Problems in Biostatistics and Epidemiology
BSE 5013	Applications of Microcomputers to Data Analysis
BSE 5113	Principles of Epidemiology
BSE 5163	Biostatistics Methods I
BSE 5703	Principles of Theory of Probability
BSE 5733	Principles of Mathematical Statistics I
BSE 5173	Biostatistics Methods II
BSE 5980	Research for Master's Theory – 4 credit hours
BSE 5111	Scientific Integrity in Research

Elective BSE Courses

Epidemiology Courses	6 credit hours
Applied Biostatistics Courses numbered above 5173	6 credit hours

A minimum of 39 credit hours is required for the MS degree in Biostatistics

Additional Degree Requirements:

- Computer Proficiency (met with BSE 5013)
- Basic knowledge of Biomedical Sciences
- Master's Thesis: A student writing a thesis should choose a topic and a thesis committee consistent with procedures established by the sponsoring department and the Graduate College. The committee must consist of a major professor and at least two other graduate faculty members as approved by the Graduate Dean. The minimum requirements for the

master's thesis committee composition are:

1. Major Professor: Biostatistics faculty member
2. Discipline-specific member: Biostatistics faculty member
3. Member from other BSE Discipline: Epidemiology faculty member

Note that a fourth member from outside the Department may be included but is not required.

- Comprehensive Examination

This degree program is subject to the policies and procedures printed in the University of Oklahoma Hudson College of Public Health Bulletin.

9/22/2020

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- Comprehensive Examination
- Master's Thesis

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9/22/2020