

BIOSTATISTICS, M.P.H.

About the Program

Embark on a transformative journey with the Master of Public Health in Biostatistics at OU Hudson College of Public Health. Your future in shaping health policies and strategies starts here.

The Hudson College of Public Health and the Master of Public Health program offered by the Department are accredited by the Council on Education in Public Health (CEPH). The MPH in Biostatistics may be completed by full or part-time students and is offered in Oklahoma City.

This 46-credit hour program is your gateway to becoming a pivotal player in the health sector, where you'll use data to illuminate the patterns of disease, identify its causes, and create strategies to improve health outcomes. Courses like Applications of Microcomputers to Data Analysis will empower you to harness the power of technology in health data analysis, while Social and Behavioral Sciences in Public Health and Integrated Public Health Practice will provide you with a holistic understanding of public health, equipping you to make a real-world impact.

Cost

It is the student's responsibility to ensure they are enrolled in the prescribed courses and to pay tuition and fees at the time designated by the Bursar's Office. Details regarding tuition/fee charges and collection are available from the Bursar's Office.

Admissions

The Hudson College of Public Health at the University of Oklahoma Health is the only CEPH- accredited school of public health in Oklahoma. Our accredited programs focus on applied public health, and our graduates emerge as healthcare leaders with a strong foundation in various disciplines. Explore our programs and start your journey toward a rewarding career in public health

At OU's Hudson College of Public Health, admission opens the door to a dynamic academic journey. Our accredited programs, backed by cutting-edge research and hands-on experiences, nurture future health leaders. Explore the intersection of theory and practice in public health at OU, where your potential meets purpose.

To learn more about the application process, please visit the application information (<https://publichealth.ouhsc.edu/admissions-and-aid/how-to-apply/>) on the Hudson College of Public Health webpage.

Curriculum

Code	Title	Hours
Core Courses for MPH in Biostatistics		
BSE 5163	Biostatistical Methods I	3
BSE 5113	Principles of Epidemiology	3
HPS 5213	Social and Behavioral Sciences in Public Health	3
OEH 5013	Environmental Health	3
HAP 5453	U.S. Health Care Systems	3
HPS 5211	Qualitative Methods in Public Health	1
Required Courses		
BSE 5001	Problems in Biostatistics and Epidemiology	1
BSE 5013	Application of Microcomputers to Data Analysis	3

BSE 5173	Biostatistics Methods II	3
CPH 7003	Integrated Public Health Practice and Preparedness	3
CPH 7941	Practicum Preparation Seminar	1
CPH 7950	Public Health Practicum (240 contact hours)	1

Elective Courses

Epidemiology methods course		
Select one of the following:		3
BSE 5153	Clinical Trials	
BSE 5193	Intermediate Epidemiologic Methods	
BSE 5283	GIS in Health	
BSE 5343	Methods in Infectious Disease Epidemiology	
BSE 5990	Special Studies	
Non-methods Epidemiology course		
Select one of the following:		3
BSE 5303	Epidemiology of Infectious Disease	
BSE 5333	Introduction to Emerging Infections and Bioterrorism	
BSE 5363	Epidemiology and Prevention of Chronic Diseases	
BSE 5633	Public Health Strategies for Tobacco Control	
BSE 6323	Molecular and Genetic Epidemiology	
BSE 6363	Cancer Epidemiology and Prevention	
Applied Biostatistics courses numbered above 5173		6
Other Electives – BSE courses only		6
Total Hours		46

A minimum of 46 credit hours is required for the MPH degree in Biostatistics.

Additional Degree Requirements

- **Computer Literacy**
Students are required to achieve a working knowledge of methods, programming and applications of computers as used in biostatistics and epidemiology. This knowledge may be acquired by formal class work or by experience acquired either before entering or during the course of the program. Completion of BSE 5013 Application of Microcomputers to Data Analysis with a passing grade will satisfy this requirement.
- **Basic Knowledge of the Biomedical Sciences**
The course work to satisfy this requirement may be taken at this or another institution, either before or after entering the program. If course work is undertaken to fulfill this requirement, it is in addition to the minimum 46 hours required for the degree.
- **CPH Examination**
MPH candidates in biostatistics are required to take the CPH Examination Please see the CPH Exam section of this Bulletin for detailed information.
- **Culminating Experience**
MPH candidates in biostatistics are required to complete the Culminating Experience. The Culminating Experience is guided by a committee developed by the student and the faculty advisor. The committee will be composed of a minimum of three persons: one faculty member in Biostatistics, one member in Epidemiology, and one faculty member in any discipline from the Hudson College of Public Health. Additional faculty members may be added, but are not required. A fourth member can be the preceptor, who must have prior approval of the Hudson College of Public Health Associate Dean of

Academic Affairs in order to serve on the committee. All members of the committee will have appropriate contributing knowledge of and experience in the student's master's paper project. Outside members not holding a faculty appointment in the Hudson College of Public Health must be approved by the Dean or his designee. Please see the *MPH Culminating Experience* section of this Bulletin for detailed information.

- **Interprofessional Education Requirement**
All MPH students are required to participate in the campus-wide Interprofessional Education All Professions Days. Please see the Interprofessional Education section of this Bulletin for detailed information.
- Students must satisfactorily complete an oral and/or written examination covering the Program of Study and the practicum paper.
- The Faculty expects students to participate in the intellectual activities of the Department (e.g., seminars, special presentations).

Prerequisites

- Bachelor's degree from an accredited institution.
- Grade point average of 3.0 or above calculated using the upper-division coursework of the bachelor's degree.
- Proof of language proficiency for international applicants: TOEFL score of 88 or above.
- **ADDITIONAL REQUIREMENT FOR ALL MPH PROGRAMS:**
 - *All MPH applicants are required to have some mathematics in their undergraduate program. College Algebra will meet this requirement.*