



2015-2016 Curriculum Guide for Master of Public Health degree program with a specialization in **BIostatistics**

The MPH degree program is designed to provide students with the knowledge and skills for general and specialized applied public health practice, both in the public sector and in private sector careers related to population health. It includes courses within public health's core disciplines of biostatistics, environmental health science, epidemiology, health behavior & health promotion, and health services management and policy. This broad training is complemented by the more in-depth course work within the specialization including a practicum and culminating experience.

Students admitted to the Master of Public Health (MPH) degree program are assigned a faculty advisor who will provide guidance throughout the program. This document serves as a resource to be used by the student and the advisor in planning a program with a specialization in Biostatistics, but is not inclusive of all important degree, college, and university requirements. All students are expected to be familiar with the College of Public Health (CPH) *Graduate Student Handbook* (available at <http://cph.osu.edu/students/graduate/handbooks>) and with the *Graduate School Handbook* (available at <http://www.gradsch.ohio-state.edu/>).

PROGRAM OF STUDY

The MPH-Biostatistics curriculum consists of a minimum of 48 credits organized into five curricular domains:

1. Core courses in areas of knowledge basic to public health (15 credits)
2. Specialization + Selective courses in biostatistics (24 credits)
3. Elective courses (4 credits)
4. Practicum (2 credits)
5. Culminating project (3 credits)

Public Health Core Courses (15 credits)

Every student in the MPH-Biostatistics program must take the following courses in areas of knowledge basic to public health:

Biostatistics PUBHBIO 6210	Design and Analysis of Studies in the Health Sciences	3 credits
Environmental Health Sciences PUBHEHS 6310	Principles of Environmental Health Science	3 credits
Epidemiology PUBHEPI 6410	Principles of Epidemiology	3 credits
Social and Behavioral Sciences PUBHHBP 6510	Preventing Disease and Promoting Health through Behavioral Science	3 credits
Health Services Administration PUBHHMP 6610	Introduction to Health Care Organization	3 credits

Biostatistics Specialization courses (18 credits)

PUBHBIO 6211	Design & Analysis of Studies in the Health Sciences II	3 credits
PUBHBIO 6212	Regression Methods for the Health Sciences	3 credits
PUBHBIO 7245/STAT 7755	Biostatistical Collaboration	2 credits
PUBHEPI 6431	Design & Implementation of Health Surveys	3 credits
STAT 6740	Data Management & Graphics for Stat Analyses	3 credits
STAT 6450	Applied Regression Analysis	4 credits

Selectives: Select 2 of the following 4 courses (6 credits):

PUBHBIO 7235/STAT 6605	Applied Survival Analysis	3 credits
PUBHBIO 7220	Applied Logistic Regression	3 credits
PUBHBIO 7225/STAT 6510	Survey Sampling Methods	3 credits
PUBHBIO 7230	Applied Longitudinal Analysis	3 credits

Electives (minimum 4 credits)

Additional courses(s) approved for the specialization are selected in consultation with the advisor.

Practicum

PUBHLTH 7189	Practicum in Public Health	2 credits
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Culminating Project

PUBHLTH 7998	Culminating Project in Public Health	3 credits
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Sample Curriculum Plan for the Master of Public Health in Biostatistics

(THIS IS ONE OPTION, STUDENTS ARE ADVISED TO CONSULT WITH THEIR ADVISOR FOR OTHER OPTIONS)

Year 1 Autumn	PUBHBIO 6210	Design and Analysis of Studies in the Health Sciences	3 credits	AU, SP*
	PUBHEPI 6410	Principles of Epidemiology	3 credits	AU, SP
	STAT 6740	Data Management & Graphics for Stat Analysis	3 credits	AU
	CPH CORE COURSE	PUBHEHS 6310 OR PUBHHBP 6510 OR PUBHHMP 6610	3 credits	AU, SP
Year 1 Spring	PUBHBIO 6211	Design & Analysis of Studies in the Health Sciences II	3 credits	SP
	STAT 6450	Applied Regression Analyses	4 credits	SP
	PUBHEPI 6431	Design and Implementation of Health Surveys	3 credits	SP
	CPH CORE COURSE	PUBHEHS 6310 OR PUBHHBP 6510 OR PUBHHMP 6610	3 credits	ANY
Year 2 Autumn	PUBHBIO 6212	Regression Methods for the Health Sciences	3 credits	AU, SU
	PUBHLTH 7189 [^]	Practicum in Public Health	3 credits	ANY
	SELECTIVE(S)	SELECT 1 OR 2 PRE-APPROVED SELECTIVE COURSES	3-6 credits	ANY
	CPH CORE COURSE	PUBHEHS 6310 OR PUBHHBP 6510 OR PUBHHMP 6610	3 credits	ANY
Year 2 Spring	PUBHLTH 7998	Culminating Project in Public Health	3 credits	ANY
	PUBHBIO 7245/STAT 7755	Biostatistical Collaboration	2 credits	SP
	SELECTIVE	SELECT 1 OR 2 PRE-APPROVED SELECTIVE COURSES	3-6 credits	ANY
	ELECTIVE(S)	SELECT 1 OR 2 ELECTIVE COURSES APPROVED BY ADVISOR	4 credits	ANY

*SP offerings is only offered as a web-based course

[^]Practicum (Public Health 7189) is to be completed Autumn Semester of Year 2. It may be completed during Summer or Spring with approval from the faculty advisor.

Grade Policy

In addition to the general Graduate School requirements of a cumulative grade point average of 3.0 or higher, students must meet specific college policies regarding grades in Core and specialization courses. Students should familiarize themselves with Section 11 of the College of Public Health Graduate Student Handbook.

Office of Academic Programs and Student Services (OAPSS)

OAPSS staff are available to provide assistance with College, Graduate School and University policies and procedures. Students can make an appointment with a staff member in OAPSS by calling (614) 292-8350. OAPSS address: 100 Cunz Hall/1841 Neil Ave/Columbus, Ohio/ 43210/cph.osu.edu

*****Questions regarding the student's program of study should be directed to their advisor*****