From:	Smith, Randy
To:	Andridge, Rebecca
Cc:	Sutherland, Sue; Reed, Katie; Smith, Randy; Miriti, Maria; Stromberger, Mary; Duffy, Lisa; Hunt, Ryan; Ferketich, Amy; Zadnik, Karla
Subject:	Proposal to revise the Master of Public Health with a specialization in Biostatistics
Date:	Sunday, September 8, 2024 8:24:48 AM
Attachments:	image001.png

Rebecca:

The proposal from the College of Public Health to revise the Master of Public Health with a specialization in Biostatistics was approved by the Council on Academic Affairs at its meeting on September 4, 2024. Thank you for attending the meeting to respond to questions/comments.

No additional level of internal review/approval is necessary. This action will be included in the Council's next Annual Activities Report to the University Senate (July 2025).

The Office of the University Registrar will work you with any implementation issues.

Please keep a copy of this message for your file on the proposal and I will do the same for the file in the Office of Academic Affairs.

If you have any questions please contact the Chair of the Council, Professor Sue Sutherland (.43), or me.

Randy

THE OHIO STATE UNIVERSITY

W. Randy Smith, Ph.D.
Vice Provost for Academic Programs
Office of Academic Affairs
University Square South, 15 E. 15th Avenue, Columbus, OH 43201
614-292-5881 Office
smith.70@osu.edu
Assisted by:
Katie Reed
Executive Assistant
(614) 292-5672
reed.901@osu.edu

TO: Randy Smith, Vice Provost for Academic Programs

FROM: Graduate School Curriculum Services

DATE: **5/3/2024**

RE: Proposal to **Revise the Master of Public Health, Biostatistics Specialization** in **Public Health**

The **College of Public Health** is proposing a **Revision to the Master of Public Health, Biostatistics Specialization.**

The proposal was received by the Graduate School on **4/10/2024**. The combined GS/CAA subcommittee first reviewed the proposal on **4/24/2024** and requested revisions. Revisions were received on **4/29/2024**. The proposal is supported for review at CAA.

Ohio State University College of Public Health

Michael S. Bisesi, PhD, REHS, CIH
Vice Dean and Director, Academic Affairs and Academic Administration
Professor and Chair, Environmental Health Sciences
Fellow, AIHA
(614) 247-8290 bisesi.12@osu.edu

TO: Maria Miriti PhD
Associate Dean of Academic Affairs
Graduate School - The Ohio State University
Miriti.1@osu.edu

FROM: Michael S. Bisesi, PhD
Vice Dean of Academic Affairs and Academic Administration
College of Public Health
Bisesi.12@osu.edu

DATE: April 29, 2024

RE: Curriculum Revision for Master of Public Health with a specialization in Biostatistics - College of Public Health

Please accept this notice of revision to the Master of Public Health (MPH) curriculum for the Biostatistics specialization (MPHB-MP) offered by the College of Public Health. The Academic Studies Governance Committee in the College of Public Health approved this revision on 3/22/24.

The change is a result of some minor curriculum revisions. No current program competencies, learning goals/objectives, or assessment plan will change. The total degree credit hours will remain at 42. Considering the required credit hours and all the foundational, specialization, and capstone degree program components, this revision represents an overall change of 47% from the current degree plan. However, the most substantive curricular change was moving "elective" courses to required "specialization" courses (17 credits) plus specifying another 2-credit course. These changes represented a 45% change to the required courses due to redistribution of credits. However, the proposed change is much less since students took most of the same courses as electives prior to the revised curriculum. The proposed changes make this program more prescriptive than before. Ohio State Online has encouraged programs to be more prescriptive for online distance learning delivery mode for a variety of functional and practical reasons that benefit both the students and the sponsoring unit.

The modifications include:

- Defining the curriculum plan more clearly to identify all online courses and delivery mode of each course.
- Moving 17 credit hours of elective courses to increase the required specialization courses.
- Increasing required specialization courses from 8 credit hours to 23 credit hours.
- Require a 2-credit hour statistical computing course.

The goal is to implement the revised curriculum effective Autumn 2024. The proposed curricular change will have no adverse impact to current MPHB-MP students relative to increased credits, costs, or time-to-degree. Current MPHB-MP students (n=9) are able to access the curriculum guide from the time of entry on the College of Public Health website and are aware that their degree requirements differ from MPHB-MP students entering the program in Autumn 2024. Attached you will find a current curriculum guide, a redlined curriculum guide, and a proposed curriculum guide.

If feasible, we would appreciate an expedited review and approval. Thank you very much.

Ohio State University College of Public Health

Michael S. Bisesi, PhD, REHS, CIH
Vice Dean and Director, Academic Affairs and Academic Administration
Professor and Chair,, Environmental Health Sciences
Fellow, AIHA
(614) 247-8290 bisesi.12@osu.edu

TO: Maria Miriti PhD
Associate Dean of Academic Affairs
Graduate School - The Ohio State University
Miriti.1@osu.edu

FROM: Michael S. Bisesi, PhD
Vice Dean of Academic Affairs and Academic Administration
College of Public Health
Bisesi.12@osu.edu

DATE: April 10, 2024

RE: Curriculum Revision for Master of Public Health with a specialization in Biostatistics- College of Public Health

Please accept this notice of revision to the Master of Public Health (MPH) curriculum for the Biostatistics specialization (MPHB-MP) offered by the College of Public Health. The Academic Studies Governance Committee in the College of Public Health approved this revision on 3/22/24.

The change is a result of some minor curriculum revisions, however, no current learning goals/ objectives and/or the assessment plan will change for the degree.

The modifications include:

- Defining the curriculum plan more clearly to identify all online courses and delivery mode of each course .
- Remove the list of electives and provide more clearly defined course selections.

The goal is to implement the revised curriculum effective Autumn 2024. The proposed curricular change will have no adverse impact to current MPHB-MP students relative to increased credits, costs, or time-to-degree. Current MPHB-MP students (n=9) are able to access the curriculum guide from the time of entry on the College of Public Health website and are aware that their degree requirements differ from MPHB-MP students entering the program in Autumn 2024. Attached you will find a current curriculum guide, a redlined curriculum guide, and a proposed curriculum guide.

If feasible, we would appreciate an expedited review and approval. Thank you very much.

THE OHIO STATE UNIVERSITY
COLLEGE OF PUBLIC HEALTH

2023-2024 Curriculum Guide for Online Master of Public Health degree program with a specialization in BIOSTATISTICS

The Online 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 foundation 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 an applied practice experience and integrative learning 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*: http://cph.osu.edu/students/graduate/handbooks, the *Graduate School Handbook* https://gradsch.osu.edu/handbook and the CPH competencies: https://go.osu.edu/cphcompetencies.

PROGRAM OF STUDY

The MPH-Biostatistics curriculum consists of a minimum of 42 credit hours organized into five curricular domains:

1. MPH Integrated Foundational curriculum including the Buck-IPE* (12 credit hours)
2. Required courses for the specialization (8 credit hours)
3. Elective courses (17 credit hours)
4. Applied Practice experience (2 credit hours)
5. Integrative Learning Experience (3 credit hours)

*In addition to credit hour requirements, The Ohio State University College of Public Health requires all Master of Public Health students to participate in interprofessional practice and education activities. To meet this requirement, first-year students will participate in Buck-IPE, a longitudinal curriculum for students in health science and allied health professional programs at The Ohio State University. Information about participation and assessment will be shared with MPH students as part of the Integrated Foundational Curriculum (in PUBHLTH 6002 and 6004).

MPH Integrated Foundational curriculum (12 credit hours)

Every student in the MPH-Biostatistics program must take the following MPH Integrated Foundational curriculum:

PUBHTLH 6001	Methods in Quantitative Data Analysis	4 credit hrs
PUBHLTH 6002	History, Values and Essential Services of the U.S. Public Health System	2 credit hrs
PUBHLTH 6003	Methods in Public Health Planning and Evaluation	2 credit hrs
PUBHLTH 6004	Essentials of Population Health	4 credit hrs

Biostatistics Specialization courses (8 credit hours)

PUBHBIO 6260	Ethics in Biostatistics	1 credit hr
PUBHBIO 6211	Applied Biostatistics II	3 credit hrs
PUBHBIO 6270	Introduction to SAS for Public Health students	2 credit hrs
PUBHBIO 7245	Biostatistical Collaboration	2 credit hrs

Electives: (17 credit hours)

Select a minimum of 17 credit hours from this list. Other didactic courses that include a strong data analysis component may be approved to fulfill this requirement with permission of the advisor. ♦ denotes courses that are offered as online courses. Courses other than those denoted by ♦ will incur a higher course registration fee for students enrolled on an online MPH program.

PUBHBIO 5280♦	Introduction to Genomic Data Analysis	3 credit hrs
PUBHBIO 7215♦	Design and Analysis of Clinical Trials	2 credit hrs
PUBHBIO 7220 ♦	Applied Generalized Linear Models in Public Health	3 credit hrs
PUBHBIO 7225/STAT 6510	Survey Sampling Methods	3 credit hrs
PUBHBIO 7230 ♦	Applied Longitudinal Analysis	3 credit hrs
PUBHBIO 7235♦/STAT 6605	Applied Survival Analysis	3 credit hrs
PUBHBIO 7240/STAT 6520	Applied Statistical Analysis with Missing Data	3 credit hrs
PUBHBIO 7255♦	Introduction to Causal Inference	3 credit hrs
PUBHBIO 8450	Stochastic Epidemic Models	3 credit hrs
PUBHEPI 6431	Design & Implementation of Health Surveys	3 credit hrs
PUBHLTH 5015	Public Health Data Analytics I	3 credit hrs
STAT 6625	Statistical Analysis of Genetic Data	3 credit hrs
STAT 6730	Introduction to Computational Statistics	2 credit hrs

Applied Practice Experience

PUBHLTH 7189	Applied Practice Experience in Public Health	2 credit hrs

Integrative Learning Experience

PUBHLTH 7998	Integrative Learning Experience in Public Health	3 credit hrs

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)

TERM	COURSE	COURSE TITLE	CREDIT HRS	TERM
Year 1 Autumn	PUBHLTH 6001 ǂ	Methods in Quantitative Data Analysis	4	AU
	PUBHLTH 6002 ǂ	Foundations of Public Health with Applied Integrative Lab	2	AU
	PUBHBIO 6260	Ethics in Biostatistics	1	AU
	PUBHBIO 6270	Introduction to SAS for Public Health students	2	AU, SP
	PUBHBIO 7215	Design and Analysis of Clinical Trials	2	AU
Year 1 Spring	PUBHLTH 6003 ǂ	Methods in Public Health Planning and Evaluation	2	SP
	PUBHLTH 6004 ǂ	Foundations of Health Systems and Policy with Applied Integrative Lab	4	SP
	PUBHBIO 6211	Applied Biostatistics II	3	AU, SP
Year 2 Autumn	PUBHLTH 7189^	Applied Practice Experience	2	ANY
	PUBHBIO 5280	Introduction to Genomic Data Analysis	3	AU
	PUBHBIO 7220	Applied Generalized Linear Models in Public Health	3	AU
	PUBHBIO 7255	Introduction to Causal Inference	3	AU
Year 2 Spring	PUBHLTH 7998	Integrative Learning Experience in Public Health	3	ANY
	PUBHBIO 7245	Biostatistical Collaboration	2	SP
	PUBHBIO 7230	Applied Longitudinal Analysis	3	SP
	PUBHBIO 7235	Applied Survival Analysis	3	SP

^The Applied Practice Experience (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.

ǂPUBHLTH 6001-6004: The College of Public Health Office of Academic Programs and Student Services will enroll students in these courses.

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 foundation 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.

THE OHIO STATE UNIVERSITY
COLLEGE OF PUBLIC HEALTH

2023~~3~~4-2024~~4~~5 Curriculum Guide for Online Master of Public Health degree program with a specialization in BIOSTATISTICS

The Online 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 foundation 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 an applied practice experience and integrative learning 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*: http://cph.osu.edu/students/graduate/handbooks, the *Graduate School Handbook* https://gradsch.osu.edu/handbook and the CPH competencies: https://go.osu.edu/cphcompetencies.

PROGRAM OF STUDY

The MPH-Biostatistics curriculum consists of a minimum of 42 credit hours organized into five curricular domains:

1. MPH Integrated Foundational curriculum including the Buck-IPE* (12 credit hours)
2. Required courses for the specialization (~~8~~23 credit hours)
3. ~~Elective courses~~Required statistical computing course (~~17~~ 2 credit hours)
4. Applied Practice experience (2 credit hours)
5. Integrative Learning Experience (3 credit hours)

*In addition to credit hour requirements, The Ohio State University College of Public Health requires all Master of Public Health students to participate in interprofessional practice and education activities. To meet this requirement, first-year students will participate in Buck-IPE, a longitudinal curriculum for students in health science and allied health professional programs at The Ohio State University. Information about participation and assessment will be shared with MPH students as part of the Integrated Foundational Curriculum (in PUBHLTH 6002 and 6004).

MPH Integrated Foundational curriculum (12 credit hours)

Every student in the MPH-Biostatistics program must take the following MPH Integrated Foundational curriculum:

PUBHTLH 6001	Methods in Quantitative Data Analysis	4 credit hrs
PUBHLTH 6002	History, Values and Essential Services of the U.S. Public Health System	2 credit hrs
PUBHLTH 6003	Methods in Public Health Planning and Evaluation	2 credit hrs
PUBHLTH 6004	Essentials of Population Health	4 credit hrs

Biostatistics Specialization courses (~~8~~23 credit hours)

PUBHBIO 6260	Ethics in Biostatistics	1 credit hr
PUBHBIO 6211	Applied Biostatistics II	3 credit hrs
PUBHBIO ~~6270~~6250	~~Introduction to SAS for Public Health students~~Regression Methods in the Health Sciences	~~2~~3 credit hrs
PUBHBIO 7215	Design and Analysis of Clinical Trials	2 credit hrs
PUBHBIO 7245	Biostatistical Collaboration	2 credit hrs
PUBHBIO 5280*	Introduction to Genomic Data Analysis	3 credit hrs
PUBHBIO 7255*	Introduction to Causal Inference	3 credit hrs
~~PUBHBIO~~	~~Biostatistical Collaboration~~ Introduction to Causal Inference	~~2 credit hrs~~ 3

~~7245~~PUBHBIO 7255*		credit hrs
PUBHBIO 7230*	Applied Longitudinal Analysis	3 credit hrs
PUBHLTH 5760	Public Health Informatics	3 credit hrs

**Other 7000 level PUBHBIO courses may be substituted for these courses with advisor approval in advance of registering.*

~~Electives: (17 credit hours)~~Statistical Computing Course (2 credit hrs)

Select one course:

STAT 5730	Introduction to R for Data Science
STAT 5740	Introduction to SAS Software
PUBHBIO 6270	Introduction to SAS for Public Health students

~~Select a minimum of 17 credit hours from this list. Other didactic courses that include a strong data analysis component may be approved to fulfill this requirement with permission of the advisor. ♦ denotes courses that are offered as online courses. Courses other than those denoted by ♦ will incur a higher course registration fee for students enrolled on an online MPH program.~~

~~PUBHBIO 5280♦~~	~~Introduction to Genomic Data Analysis~~	~~3 credit hrs~~
~~PUBHBIO 7215♦~~	~~Design and Analysis of Clinical Trials~~	~~2 credit hrs~~
~~PUBHBIO 7220♦~~	~~Applied Generalized Linear Models in Public Health~~	~~3 credit hrs~~
~~PUBHBIO 7225/STAT 6510~~	~~Survey Sampling Methods~~	~~3 credit hrs~~
~~PUBHBIO 7230♦~~	~~Applied Longitudinal Analysis~~	~~3 credit hrs~~
~~PUBHBIO 7235♦/STAT 6605~~	~~Applied Survival Analysis~~	~~3 credit hrs~~
~~PUBHBIO 7240/STAT 6520~~	~~Applied Statistical Analysis with Missing Data~~	~~3 credit hrs~~
~~PUBHBIO 7255♦~~	~~Introduction to Causal Inference~~	~~3 credit hrs~~
~~PUBHBIO 8450~~	~~Stochastic Epidemic Models~~	~~3 credit hrs~~
~~PUBHEPI 6431~~	~~Design & Implementation of Health Surveys~~	~~3 credit hrs~~
~~PUBHLTH 5015~~	~~Public Health Data Analytics I~~	~~3 credit hrs~~
~~STAT 6625~~	~~Statistical Analysis of Genetic Data~~	~~3 credit hrs~~
~~STAT 6730~~	~~Introduction to Computational Statistics~~	~~2 credit hrs~~

Applied Practice Experience

PUBHLTH 7189	Applied Practice Experience in Public Health	2 credit hrs

Integrative Learning Experience

PUBHLTH 7998	Integrative Learning Experience in Public Health	3 credit hrs

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)

TERM	COURSE	COURSE TITLE	CREDIT HRS	TERM
Year 1	PUBHLTH 6001 ǂ	Methods in Quantitative Data Analysis	4	AU
Autumn	PUBHLTH 6002 ǂ	Foundations of Public Health with Applied Integrative Lab	2	AU
(12 cr	PUBHBIO 6260±	Ethics in Biostatistics	1	AU
hrs)	PUBHBIO 6270 or STAT 5730 or STAT 5740	Required statistical computing course~~Introduction to SAS for Public Health students~~	2	~~AU, SP~~ AU
	~~PUBHBIO 7215~~PUBHLTH 5760	Public Health Informatics ~~Design and Analysis of Clinical Trials~~	3~~2~~	AU

Year 1 Spring (9 cr hrs)	PUBHLTH 6003 ǂ PUBHLTH 6004 ǂ PUBHBIO 6211	Methods in Public Health Planning and Evaluation Foundations of Health Systems and Policy with Applied Integrative Lab Applied Biostatistics II	2 4 3	SP SP AU, SP
Year 1 Summer (2 cr hrs)	PUBHLTH 7189^	Applied Practice Experience	2	ANY
Year 2 Autumn (11 cr hrs)	~~PUBHLTH 7189^~~ PUBHBIO 5280 PUBHBIO 6250 PUBHBIO 7215+~~20~~ PUBHBIO 7255+	~~Applied Practice Experience~~ Introduction to Genomic Data Analysis Regression Methods for Health Sciences ~~Applied Generalized Linear Models in Public Health~~Design and Analysis of Clinical Trials Introduction to Causal Inference	2 3 2~~3~~ 3 ~~3~~	AUNY~~ AU AU AU AU~~
Year 2 Spring (8 cr hrs)	PUBHLTH 7998 ~~PUBHBIO 7245~~ PUBHBIO 7230 PUBHBIO 7245+~~35~~	Integrative Learning Experience in Public Health ~~Biostatistical Collaboration~~ Applied Longitudinal Analysis ~~Applied Survival Analysis~~Biostatistical Collaboration	3 ~~2~~ 3 2~~3~~	ANY ~~SP~~ SP SP

~~^The Applied Practice Experience (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.~~

~~*ǂPUBHLTH 6001-6004: The College of Public Health Office of Academic Programs and Student Services will enroll students in these courses.*~~

+These courses include an online, synchronous component (times at which you must be logged on and participating in class). All remaining required courses are available as fully asynchronous online courses.

^The Applied Practice Experience (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 foundation 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.

THE OHIO STATE UNIVERSITY
COLLEGE OF PUBLIC HEALTH

2024-2025 Curriculum Guide for Online Master of Public Health degree program with a specialization in BIOSTATISTICS

The Online 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 foundation 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 an applied practice experience and integrative learning 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*: http://cph.osu.edu/students/graduate/handbooks, the *Graduate School Handbook* https://gradsch.osu.edu/handbook and the CPH competencies: https://go.osu.edu/cphcompetencies.

PROGRAM OF STUDY

The MPH-Biostatistics curriculum consists of a minimum of 42 credit hours organized into five curricular domains:

1. MPH Integrated Foundational curriculum including the Buck-IPE* (12 credit hours)
2. Required courses for the specialization (23 credit hours)
3. Required statistical computing course (2 credit hours)
4. Applied Practice experience (2 credit hours)
5. Integrative Learning Experience (3 credit hours)

*In addition to credit hour requirements, The Ohio State University College of Public Health requires all Master of Public Health students to participate in interprofessional practice and education activities. To meet this requirement, first-year students will participate in Buck-IPE, a longitudinal curriculum for students in health science and allied health professional programs at The Ohio State University. Information about participation and assessment will be shared with MPH students as part of the Integrated Foundational Curriculum (in PUBHLTH 6002 and 6004).

MPH Integrated Foundational curriculum (12 credit hours)

Every student in the MPH-Biostatistics program must take the following MPH Integrated Foundational curriculum:

PUBHTLH 6001	Methods in Quantitative Data Analysis	4 credit hrs
PUBHLTH 6002	History, Values and Essential Services of the U.S. Public Health System	2 credit hrs
PUBHLTH 6003	Methods in Public Health Planning and Evaluation	2 credit hrs
PUBHLTH 6004	Essentials of Population Health	4 credit hrs

Biostatistics Specialization courses (23 credit hours)

PUBHBIO 6260	Ethics in Biostatistics	1 credit hr
PUBHBIO 6211	Applied Biostatistics II	3 credit hrs
PUBHBIO 6250	Regression Methods in the Health Sciences	3 credit hrs
PUBHBIO 7215	Design and Analysis of Clinical Trials	2 credit hrs
PUBHBIO 7245	Biostatistical Collaboration	2 credit hrs
PUBHBIO 5280*	Introduction to Genomic Data Analysis	3 credit hrs
PUBHBIO 7255*	Introduction to Causal Inference	3 credit hrs
PUBHBIO 7230*	Applied Longitudinal Analysis	3 credit hrs
PUBHLTH 5760	Public Health Informatics	3 credit hrs

**Other 7000 level PUBHBIO courses may be substituted for these courses with advisor approval in advance of registering.*

Statistical Computing Course (2 credit hrs)
Select one course:

STAT 5730	Introduction to R for Data Science
STAT 5740	Introduction to SAS Software
PUBHBIO 6270	Introduction to SAS for Public Health students

Applied Practice Experience

PUBHLTH 7189	Applied Practice Experience in Public Health	2 credit hrs

Integrative Learning Experience

PUBHLTH 7998	Integrative Learning Experience in Public Health	3 credit hrs

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)

TERM	COURSE	COURSE TITLE	CREDIT HRS	TERM
Year 1 Autumn (12 cr hrs)	PUBHLTH 6001 ǂ	Methods in Quantitative Data Analysis	4	AU
	PUBHLTH 6002 ǂ	Foundations of Public Health with Applied Integrative Lab	2	AU
	PUBHBIO 6260+	Ethics in Biostatistics	1	AU
	PUBHBIO 6270 or STAT 5730 or STAT 5740	Required statistical computing course	2	AU
	PUBHLTH 5760	Public Health Informatics	3	AU
Year 1 Spring (9 cr hrs)	PUBHLTH 6003 ǂ	Methods in Public Health Planning and Evaluation	2	SP
	PUBHLTH 6004 ǂ	Foundations of Health Systems and Policy with Applied Integrative Lab	4	SP
	PUBHBIO 6211	Applied Biostatistics II	3	AU, SP
Year 1 Summer (2 cr hrs)	PUBHLTH 7189^	Applied Practice Experience	2	ANY
Year 2 Autumn (11 cr hrs)	PUBHBIO 5280	Introduction to Genomic Data Analysis	2	AU
	PUBHBIO 6250	Regression Methods for Health Sciences	3	AU
	PUBHBIO 7215+	Design and Analysis of Clinical Trials	2	AU
	PUBHBIO 7255+	Introduction to Causal Inference	3	AU
Year 2 Spring (8 cr hrs)	PUBHLTH 7998	Integrative Learning Experience in Public Health	3	ANY
	PUBHBIO 7230	Applied Longitudinal Analysis	3	SP
	PUBHBIO 7245+	Biostatistical Collaboration	2	SP

+These courses include an online, synchronous component (times at which you must be logged on and participating in class). All remaining required courses are available as fully asynchronous online courses.
^The Applied Practice Experience (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 foundation 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.

THE OHIO STATE UNIVERSITY

Curriculum Proposal Checklist

Title of Program: Master of Public Health - Public Health Biostatistics specialization

Effective term: Autumn 2024 **College:** Public Health

New/Establish: ☐ **Secondary Major Eligible:** ☐ **Academic Unit:** Division of Biostatistics

Revise: ☐ **50% Revision:** ☐ **Mark Up:** ☑ **Program Contact:** bisesi.12

Terminate: ☐ **Suspend:** ☐ **Certificate Category*:**

Degree/Credential: Master of Public Health

Program of Study : Graduate Program **Title:** Master of Public Health

Code: MPHB-MP

Program Focus*: Specialization Biostatistics

Credit hours to degree/credential: 42 **Is this a change to the current total?** ☐ Yes ☐ No

Program offered only online? ☐ Yes ☑ No **If yes, is there a signed MOU with ODEE?** ☐ Yes ☐ No

Campus(es) where offered: ☑ Columbus ☐ ATI ☐ Lima ☐ Mansfield ☐ Marion ☐ Newark

Rationale: The requested changes are a result of workforce development needs.

Student Curriculum Sheet Required: ☑

Four Year (or appropriate) Plan: ☑

Academic Unit Curriculum Committee approval date: 3/22/24

College Curriculum Committee approval date: 3/22/24

Graduate School Council approval date*:

Regional Campus approval date*:

Council on Academic Affairs approval date:

University Senate approval date*:

Board of Trustees approval date*:

ODHE approval date*:

* If applicable