

From: [Kowalsky, Lisa](#)
To: [Reed, Katie](#)
Cc: [Miriti, Maria](#); [Ferketich, Amy](#)
Subject: Forwarding Informational Item: Biostatistics
Date: Monday, November 17, 2025 12:11:32 PM
Attachments: [2025-11-17 Proposal to revise the biostatistics certificate.pdf](#)
[image001.png](#)

Dear Katie,

Please find attached an informational item from the College of Public Health. It is supported for presentation at CAA.

Please let me know if any questions or concerns arise.

Best,

Lisa



Lisa Clouser (Kowalsky)

The Ohio State University

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Pronouns: she/her/hers



November 17, 2025

Dr. Maria Miriti
Associate Dean of Academic Affairs
The Ohio State University Graduate School

Dear Dr. Miriti,

Please accept this notice of revision to the Biostatistics Certificate. The Academic Studies Governance Committee in the College of Public Health approved this revision at their November 14, 2025 meeting.

Starting with the 2026-2027 academic year, PUBHEPI 6410 will be replaced with PUBHLTH 6014 (Epidemiology through Disease Investigations) as a required course. The certificate will now require 13 credits (instead of 14 credits), still exceeding the minimum of 12 credits.

The intent is to make this a stackable, or embedded, certificate along with a standalone. By embedding it, the credits would transfer into the MPH Biostatistics degree. PUBHLTH 6014 is the required core epidemiology course in the MPH Biostatistics program.

The proposed curricular change will have no adverse impact on current students relative to increased credit, costs, or time-to-degree. Current students 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 students entering prior years.

Sincerely,

A handwritten signature in black ink, appearing to read "Amy Ferketich".

Amy K. Ferketich, PhD

2026-2027 Curriculum Guide for ONLINE Graduate Certificate in BIOSTATISTICS

Background and Rationale

In a preliminary market scan of degree programs and jobs in biostatistics and data science, biostatistics was the top “hard skill” required in 2,541 unique job postings for management analysts, medical scientists, statisticians, and epidemiologists in Ohio, Indiana, Kentucky, Michigan, Pennsylvania, and West Virginia between August 2020 and August 2021. Data analysis was fourth, epidemiology was fifth, and statistics was sixth. Therefore, this Graduate Certificate in Biostatistics was designed to provide learners 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 is clear. Completion of the graduate certificate will lead to a certificate designation that would enhance the learner’s credentials to existing or prospective employers, by providing evidence of their knowledge and skills that can contribute to applied biostatistical analyses.

Student Enrollment

This stand-alone graduate certificate will be attractive to working professionals in public and private health sectors and to individuals with advanced degrees in health-related field (e.g., MD, PharmD, nursing PhDs). Given a barrier for potential students may be the amount of in-person time required, this graduate certificate will be delivered as a fully online program. Prospective students should begin by contacting the program coordinator to obtain advice and approval for their planned program and completing paperwork with course selections.

Certificate Learning Outcomes

Students completing the proposed certificate will demonstrate proficiency in the following expected learning outcomes:

1. Evaluate study designs and analytical methods commonly used in public health research.
2. Fit and interpret standard regression models using statistical software.
3. Apply data management techniques to prepare data for statistical analysis.

Curricular Requirements for Completion

Graduate certificates require at least 12 credits. They “provide students an opportunity to demonstrate competence in a coherent curriculum or area of specialization” and “often supplement previous advanced degrees or further professional preparation”. This graduate certificate in biostatistics includes **13** credits of coursework within the disciplines of biostatistics and epidemiology. This document serves as a resource to be used by the student in planning a program with a specialization in Biostatistics, but is not inclusive of all important degree, college, and university requirements.

PROGRAM OF STUDY

Every student in the Biostatistics Graduate Certificate program must take the following courses in areas of knowledge basic to biostatistics and epidemiology:

PUBHLTH 6014	Epidemiology through Disease Investigations	2 credits
PUBHBIO 6210	Applied Biostatistics I	3 credits
PUBHBIO 6211	Applied Biostatistics II	3 credits
PUBHBIO 6250	Regression Methods for the Health Sciences	3 credits

Students select one of the following courses in the area of knowledge basic to statistical software:

PUBHBIO 6270	Introduction to SAS for Public Health Students	2 credits
STAT 5731 & 5732	Introduction to R for Data Science I & II	2 credits
STAT 5740	Introduction to SAS Software	2 credits

Assessment

The learning outcomes for the minor will be assessed in several ways:

1. Mastery of learning outcomes will be demonstrated, in part, by the completion of each required and elective course of the courses counting toward the minor with a minimum grade of B-.

2. Student learning in PUBHLTH 6014, PUBHBIO 6210, 6211, 6250, 6270, STAT 5730, and STAT 5740 is assessed using homework problem sets and exams.

Program Faculty Review of Graduate Certificate

An assessment of the program will be reviewed annually and will include:

1. Graduate certificate completion survey data
2. Enrollment data
3. Overall performance in courses by Graduate certificate students

Administrative Program

The graduate certificate will be administered by the Division of Biostatistics in the College of Public Health. All decisions related to the specific curricular requirements and the structure of the graduate certificate will be made during the Division of Biostatistics faculty meetings which includes all tenure-track and clinical teaching faculty.

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Certificate Learning Outcomes

Students completing the proposed certificate will demonstrate proficiency in the following expected learning outcomes:

4. Evaluate study designs and analytical methods commonly used in public health research.
5. Fit and interpret standard regression models using statistical software.
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