

## **2025-2026 Curriculum Guide for Master of Public Health degree program with a specialization in CLINICAL TRANSLATIONAL SCIENCE**

The Master of Public Health (MPH) 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 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 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 Clinical Translational Science (CTS) but is not inclusive of all important degree, college, and university requirements. This is not considered an on-line degree program; however, students will enroll in a combination of courses designed for on-campus in-person delivery (IP), distance learning (DL), or hybrid (HY). All students are expected to be familiar with the College of Public Health (CPH) Graduate Student Handbook:

<https://cph.osu.edu/students/graduate/student-handbook>, the Graduate School Handbook:

<https://gradsch.osu.edu/graduate-school-handbook-gsh>, and the CPH competencies:

<https://go.osu.edu/cphcompetencies>.

### **PROGRAM OF STUDY**

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

1. MPH Integrated Foundational curriculum health including the Buck-IPE\* (12 credit hours)
2. CTS Specialization courses (17 credit hours)
3. Electives (8 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-CTS program must take the following MPH Integrated Foundational curriculum:

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

### **Required Courses in the CTS Specialization (17 credit hours)**

|              |                                                                       |                |
|--------------|-----------------------------------------------------------------------|----------------|
| PUBHBIO 6211 | Applied Biostatistics II                                              | 3 credit hours |
| PUBHEPI 6412 | Basic Principles in Clinical Translational Science                    | 2 credit hours |
| PUBHEPI 6413 | Conducting & Communicating Research in Clinical Translational Science | 2 credit hours |
| PUBHEPI 7410 | Epidemiology II & Lab                                                 | 4 credit hours |
| PUBHEPI 7412 | Principles & Procedures for Human Clinical Trials                     | 3 credit hours |

**Select one:**

|              |                                            |                |
|--------------|--------------------------------------------|----------------|
| PUBHBIO 6250 | Regression Methods for the Health Sciences | 3 credit hours |
| BMI 5750     | Methods in Biomedical Informatics          |                |

**Recommended Electives (8 credit hours)** Additional electives may be selected with advisor approval.

|              |                                                |                |
|--------------|------------------------------------------------|----------------|
| BMI 5710     | Introduction to Biomedical Informatics         | 3 credit hours |
| PUBHBIO 6270 | Introduction to SAS for Public Health students | 2 credit hours |
| PUBHHBP 7520 | Community Health Assessment                    | 2 credit hours |
| PUBHHBP 7522 | Program Planning and Implementation            | 3 credit hours |
| PUBHHBP 7532 | Program Evaluation in Public Health            | 3 credit hours |
| PUBHHMP 7678 | Approaches to Health Services Research         | 4 credit hours |

**Applied Practice Experience**

|              |                             |                |
|--------------|-----------------------------|----------------|
| PUBHLTH 7189 | Applied Practice Experience | 2 credit hours |
|--------------|-----------------------------|----------------|

**Integrative Learning Experience**

|              |                                                  |                |
|--------------|--------------------------------------------------|----------------|
| PUBHLTH 7998 | Integrative Learning Experience in Public Health | 3 credit hours |
|--------------|--------------------------------------------------|----------------|

**Curriculum Plan for the Master of Public Health in Clinical Translational Science**

| TERM                     | COURSE        | COURSE TITLE                                                      | CREDIT HOURS | TERM(S) OFFERED | DELIVERY MODE |
|--------------------------|---------------|-------------------------------------------------------------------|--------------|-----------------|---------------|
| <b>Year 1<br/>Autumn</b> | PUBHLTH 6001  | Methods in Quantitative Data Analysis                             | 4            | AU              | DL            |
|                          | PUBHLTH 6002  | History, Values & Essential Services of U.S. Public Health System | 2            | AU              | DL            |
|                          | PUBHEPI 6412  | Basic Principles in Clinical Translational Science                | 2            | AU              | IP            |
| <b>Year 1<br/>Spring</b> | PUBHLTH 6003  | Methods in Public Health Planning and Evaluation                  | 2            | SP              | DL            |
|                          | PUBHLTH 6004  | Essentials of Population Health                                   | 4            | SP              | DL            |
|                          | PUBHEPI 6413  | Conducting & Communicating Research in CTS                        | 2            | SP              | IP            |
|                          | PUBHEPI 7410  | Epidemiology II & Lab                                             | 4            | SP              | IP            |
|                          | PUBHEPI 7412  | Principles & Procedures for Human Clinical Trials                 | 3            | SP              | IP            |
|                          | PUBHBIO 6211  | Applied Biostatistics II                                          | 3            | AU, SP          | DL or IP      |
| <b>Year 1<br/>Summer</b> | PUBHLTH 7189  | Applied Practice Experience                                       | 2            | ANY             |               |
|                          | BMI 5750^     | Methods in Biomedical Informatics and Data Science                | 3            | SU              | DL            |
| <b>Year 2<br/>Autumn</b> | PUBHBIO 6250^ | Regression Methods for the Health Sciences                        | 3            | AU              | IP            |
|                          | ELECTIVES     |                                                                   | 8            | ANY             |               |
|                          | PUBHLTH 7998  | Integrative Learning Experience in Public Health                  | 3            | ANY             |               |

^ Choose one

**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 12 of the College of Public Health Graduate Student Handbook. Questions regarding the student's program of study should be directed to the faculty advisor.

**College of Public Health - Office of Academic Programs and Student Services (OAPSS)**

OAPSS staff are available to assist with College, Graduate School and University policies and procedures.

OAPSS can be reached by calling (614) 292-8350. Their office is located in 100 Cunz Hall 1841 Neil Ave Columbus, Ohio 43210 [cph.osu.edu](http://cph.osu.edu). Questions regarding the student's program of study should be directed to the faculty advisor.