2018-2019 Curriculum Guide for Master of Public Health degree program with a specialization in CLINICAL TRANSLATIONAL SCIENCE

The Master of Public Health (MPH) 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 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. All students are expected to be familiar with the College of Public Health (CPH) Graduate Student Handbook [http://cph.osu.edu/students/graduate/handbooks](http://cph.osu.edu/students/graduate/handbooks), the Graduate School Handbook [http://www.gradsch.ohio-state.edu/](http://www.gradsch.ohio-state.edu/) and the CPH competencies: [http://go.osu.edu/cphcompetencies](http://go.osu.edu/cphcompetencies).

**PROGRAM OF STUDY**

The MPH-CTS curriculum consists of a minimum of 45 credits organized into five curricular domains:

1. Core courses in areas of knowledge basic to public health (16 credits)
2. CTS Specialization courses (17 credits)
3. Electives (7 credits)
4. Practicum (2 credits)
5. Culminating Project (3 credits)

**Public Health Core Courses** (16 credits)

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

<table>
<thead>
<tr>
<th>Biostatistics</th>
<th>Design and Analysis of Studies in the Health Sciences</th>
<th>3 credits</th>
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<tbody>
<tr>
<td>PUBHBIO 6210</td>
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<tr>
<td>Environmental Health Sciences</td>
<td>Principles of Environmental Health Science</td>
<td>3 credits</td>
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<tr>
<td>PUBHEHS 6310</td>
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<tr>
<td>Epidemiology</td>
<td>Epidemiology I &amp; Lab</td>
<td>4 credits</td>
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<tr>
<td>PUBHEPI 6430</td>
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<tr>
<td>Social and Behavioral Sciences</td>
<td>Preventing Disease and Promoting Health through Behavioral Science</td>
<td>3 credits</td>
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<tr>
<td>PUBHHBP 6510</td>
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</tr>
<tr>
<td>Health Services Administration</td>
<td>Introduction to Health Care Organization</td>
<td>3 credits</td>
</tr>
<tr>
<td>PUBHHMP 6610</td>
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**Required Courses in the CTS Specialization** (17 credits)

<table>
<thead>
<tr>
<th>Biostatistics</th>
<th>Design &amp; Analysis of Studies in the Health Sciences II</th>
<th>3 credits</th>
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<tr>
<td>PUBHBIO 6211</td>
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<tr>
<td>PUBHBIO 6212 or BMI 5750</td>
<td>Regression Methods for the Health Sciences</td>
<td>3 credits</td>
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<tr>
<td>or PUBHEPI 6412</td>
<td>Methods in Biomedical Informatics</td>
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<tr>
<td>PUBHEPI 6413</td>
<td>Basic Principles in Clinical Translational Science</td>
<td>2 credits</td>
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****Questions regarding the student’s program of study should be directed to the faculty advisor****
PUBHEPI 7410 Epidemiology II & Lab 4 credits
PUBHEPI 7412 Principles & Procedures for Human Clinical Trials 3 credits

**Recommended Electives (7 credits)**

- PUBHHBP 7520 Community Health Assessment 2 credits
- PUBHHBP 7522 Program Planning and Implementation 3 credits
- PUBHHBP 7532 Program Evaluation in Public Health 3 credits
- PUBHHBP 7554 Fundamental Determinants of Population Health 3 credits
- PUBHHBP 7558 Social-Ecological Strategies in Prevention 2 credits
- PUBHHMP 7678 Approaches to Health Services Research 3 credits

**Practicum**

- PUBHLTH 7189 Practicum in Public Health 2 credits

**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 Clinical Translational Science**

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

| Year 1 Autumn | PUBHBIOS 6210 | Design and Analysis of Studies in the Health Sciences I | 3 credits | AU, SP
| | PUBHEPI 6412 | Basic Principles in Clinical Translational Science | 2 credits | AU
| | PUBHEPI 6430 | Epidemiology I & Lab | 4 credits | AU
| | PUBHHBP 6510 | Preventing Disease and Promoting Health through Behavioral Science | 3 credits | AU, SP
| | PUBHEHS 6310 | Principles of Environmental Health Science | 3 credits | AU, SP
| Year 1 Spring | PUBHEPI 6413 | Conducting & Communicating Research in Clinical Translational Science | 2 credits | SP
| | PUBHEPI 7410 | Epidemiology II & Lab | 4 credits | SP
| | PUBHEPI 7412 | Principles & Procedures for Human Clinical Trials | 3 credits | SP
| | PUBHBIOS 6211 | Design and Analysis of Studies in the Health Sciences II | 3 credits | SP
| | PUBHHMP 6610 | Introduction to Health Care Organization | 3 credits | AU, SP
| Year 1 Summer | PUBHLTH 7189 | Practicum | 2 credits | ANY
| | BMI 5750^ | Methods in Biomedical Informatics and Data Science | 3 credits | SU
| Year 2 Autumn | PUBHBIOS 6212^ | Regression Methods for the Health Sciences | 3 credits | ANY
| | ELECTIVE | | 3 credits | ANY
| | PUBHLTH 7998 | Culminating Project in Public Health | 4 credits | ANY

^ Choose one or the other, but not both

**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.

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

OAPSS staff are available to provide assistance with College, Graduate School and University policies and procedures. (614) 292-8350/100 Cunz Hall/1841 Neil Ave/Columbus, Ohio/ 43210/cph.osu.edu

*****Questions regarding the student’s program of study should be directed to the faculty advisor*****