



Guide for new Master of Public Health students with a specialization in ENVIRONMENTAL HEALTH SCIENCES

MPH students are assigned faculty advisors to provide guidance regarding their courses, practicum, and culminating project. This document serves as a resource to be used by the student and the adviser in developing the Master of Public Health program with a specialization in Environmental Health Sciences (EHS). For additional information about requirements, students are directed to the College of Public Health (CPH) *Student Handbook* (available online at <http://cph.osu.edu/academics/handbooks.cfm/>) and to the *Graduate School Handbook* (available online at <http://www.gradsch.ohio-state.edu/>).

PROGRAM OF STUDY

The curriculum consists of a minimum of 60 credit hours organized into five curricular domains:

1. Core courses in areas of knowledge basic to public health (20 credit hours)
2. Courses required for a specialization in EHS (20 credit hours)
3. Elective courses approved for the specialization in EHS (12-14 credit hours)
4. Practicum (4 credit hours minimum)
5. Culminating project (2-4 credit hours)

Public Health Core Courses

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

Biostatistics

PUBH-BIO 701 Design & Analysis of Studies in the Health Sciences I 4 hrs

Environmental Health Sciences

PUBH-EHS 731 Principles of Environmental Health 4 hrs

Epidemiology

PUBH-EPI 710 Principles of Epidemiology 4 hrs

Social and Behavioral Sciences

PUBH-HBP 720 Preventing Disease & Promoting Health through Behavioral Sci 4 hrs

Health Services Administration

HSMP 800 Health Care Organization I 4 hrs

Required Courses in the Specialization

PUBH-EHS 732 Basic Concepts in Toxicology 4 hrs
PUBH-EHS 830 Principles of Occupational Health 4 hrs

PUBH-EHS 831 Principles of Risk Assessment 4 hrs
PUBH-EHS 832 Principles of Exposure Assessment 4 hrs
PUBH-EHS 735 Intro to Water & Human Hlth Risk 4 hrs

EHS Electives

PUBH-EHS 733 Toxicology of Chemical Agents 4 hrs
PUBH-EHS 736 Environmental Law & Policy 4 hrs
PUBH-EHS 835 Molecular Techniques for EHS 5 hrs
PUB HLTH 850 Global Hlth & Environ Microbiol 4 hrs

Other Recommended Electives

CRP 712	Theory of City & Regional Planning
ENR 531	Environmental & Nat Res Economics
ENR 615	Environment, Risk, & Decision-Making
ENR 618	Ecological Engineering and Science
ENR 653	Solid Waste Management
ENR 752	Environmental Science and Law
ENTOMOL 762	Environmental Toxicol and Chemistry
MICRBIOL 509	Basic and Practical Microbiology
MICRBIOL 522	Immunobiology
MICRBIOL 701	Cellular and Molecular Immunology
PATH 640	Fundamentals of Oncology
PUB HLTH 741	Public Health Organization
VPM 721	Zoonotic Diseases
VPM 722	Food-Borne Diseases, Food Animal Production Systems, & Food Safety
VPM 723	Biosecurity & Environmntl Hlth

Additional electives may be selected with approval of the faculty advisor.

Practicum

PUB HLTH 685 Field Experience in Public Health 4 hrs

Culminating Project

PUB HLTH 785 Culminating Project in Pub Hlth 2-4 hrs

PRACTICUM

Four credit hours of field experience in public health (practicum) is required (120 hours on site). This requirement is intended to provide students with real-world public health practice experience to both galvanize their academic experience and to facilitate their career

planning (e.g., Ohio EPA, consulting companies, Battelle Memorial Institute, Ohio DNR, Columbus Public Health Department). The practicum typically occurs during the summer following the first year of full-time study, though some students may choose to delay it until later in their second year. Students are free to choose practicum placements that fit their goals and are consistent with the area of specialization. An on-site preceptor supervises the student's experience and the faculty advisor collaborates in designing and approving the learning content.

Students should be active participants in the arrangements for the practicum. The Office of Academic Programs in M006 Starling-Loving Hall assists students in locating appropriate field sites and provides support throughout the experience. Students are encouraged to consult with their advisors and other CPH faculty. The practicum is graded S/U and the evaluation is based on the preceptor's and advisor's assessment of the experience and the final report. Complete details on the process for seeking and confirming the placement, as well as the expectations for the practice placement, are found in the *Practicum Student Handbook* (available online at <http://cph.osu.edu/academics/handbooks.cfm/>).

CULMINATING PROJECT/MASTER'S EXAMINATION

The Graduate School requires that each master's student complete a Master's Examination. The preparation of a written report based on the student's culminating project and an oral presentation in a seminar with EHS faculty and students fulfills this requirement for the MPH degree. For more information, see Section 5.1 of the *CPH Student Handbook*. Detailed descriptions of the culminating project requirements are available in the division's *Culminating Project Guidelines* on the web at <http://cph.osu.edu/academics/handbooks.cfm/>.

ACADEMIC STANDARDS

To remain in good academic standing, MPH students must maintain a minimum 3.0 overall GPA. In addition, a B- or higher must be earned in all required specialization courses (indicated by an EHS prefix) and core courses (with the exception of a C or C+ in one core course). No course in which a grade of C- or below is earned may count towards the degree. For more details, see Section 11.2 of the *CPH Student Handbook*.

TIME LIMIT

The MPH degree must be completed within 5 years from the date of matriculation. The responsibility for academic

progress within this time limit rests with the student. Students who fail to complete the program in five years must reapply to the program by written petition to the Graduate Studies Committee. Approval may be contingent upon completion of additional course work. No further registration will be permitted in the absence of an approved petition. For additional information, see Section 5.5 of the *CPH Student Handbook*.

GRADUATE NON-DEGREE & TRANSFER CREDIT

The transfer of credit depends on where it was earned. For OSU graduate non-degree credits, a maximum of 10 credit hours may be transferred into the degree-granting program with approval of the faculty advisor. For transfer credit from another institution, a maximum of 12 quarter hours (20% of the total credit hours required for the degree) may be transferred into the program with approval of the faculty advisor. For additional information, see Section 10.3 of the *CPH Student Handbook*.

GRADUATION

Students must be enrolled for a minimum of three graduate credit hours during the quarter in which they wish to graduate. An "Application to Graduate" form (available on the Graduate School's web site at <http://www.gradsch.ohio-state.edu/>) should be completed by the student, signed by the adviser, and returned to the Office of Academic Programs (OAP) for processing. The deadline for submitting the signed form to OAP is the first Friday of the quarter of graduation. The deadline to submit the signed Master Exam Report Form is the 8th week of the quarter; therefore, students generally must complete their culminating projects by the 6th or 7th week of the quarter. At the end of the quarter, students are asked to complete an Exit Survey, as explained in Section 13.14 of the *CPH Student Handbook*.

OFFICE OF ACADEMIC PROGRAMS

Counselors are available in the Office of Academic Programs, M006 Starling-Loving Hall (614-293-3907) to provide assistance with College or University policies and procedures. Questions regarding the student's program should be directed to the faculty advisor.