

**University of South Florida, College of Public Health
Department of Environmental and Occupational Health**

PhD: Environmental & Occupational Health

In addition to the overall **Doctor of Philosophy** degree competencies, graduates with a concentration in **Environmental Health** will be able to:

1. Demonstrate general knowledge of public health in the context of environmental factors, occupational exposures, and individual susceptibilities, and related health outcomes;
2. Demonstrate knowledge of the history of environmental health;
3. Interpret literature regarding environmental health and understand the limitations and strengths of the research presented;
4. Conduct discipline-specific literature reviews to assess current issues and develop research questions;
5. Demonstrate special knowledge in a specific area of interest in environmental health;
6. Articulate research needs for new methods and improvement of existing methods;
7. Formulate substantive research questions in environmental health;
8. Design and execute a feasible research plan to address gaps in the state of knowledge in environmental health;
9. Understand study design and data structure, and be able to interpret results;
10. Conduct research responsibly with an understanding of scientific integrity with respect to data collection, analysis, interpretation, and reporting;
11. Perform all research ethically with respect for the protection of human participants;
12. Communicate effectively with other scientists and the public;
13. Collaborate with researchers in other disciplines;
14. Prepare manuscripts presenting the results of research;
15. Present research at professional conferences and seminars;
16. Convey broad knowledge of environmental health in an educational setting.

Association between courses and the competencies for
Doctor of Philosophy degree with a concentration in **Environmental Health**

Courses	Competencies															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Doctoral level courses (13 credits required)																
PHC 7931 Advanced Interdisciplinary Seminar in Public Health (3 credits required)	√	√	√	√						√	√	√	√			√
PHC 7103 Environmental Epidemiology (example suggestion)*	√	√	√		√			√	√							
PHC 7935 Analytical Chemistry Methods (example suggestion)*				√	√	√										√
PHC 7935 Environmental Modeling (example suggestion)*			√	√	√		√	√				√				
Other Requirements																
Advanced biostatistics course (3 credits required)*								√	√	√						
Courses for concentration area (12 credits required)*	√	√	√	√	√											
Elective Courses*	√	√	√		√											
Directed Research			√	√	√	√	√	√	√	√	√					
Dissertation (18 credit minimum)	√	√	√	√	√	√	√	√	√	√	√	√		√	√	
Evidence of teaching proficiency*	√	√	√		√							√				√
Tools of Research (2 areas required)*					√											
Department Research Seminar attendance (e.g. PHC 6930 Public Health Seminar: ERIC)	√		√										√			√

*Specific courses and experiences required in each category are determined by the Doctoral Committee.