

# PHD IN ENVIRONMENTAL SCIENCES: TOTAL WORKER HEALTH TRACK

The PhD in Environmental Sciences is a minimum of 48 semester credit hours and offers in-depth didactic and research training for students who want to focus their careers in academic, governmental, or other research institutions, and/or in high-level policy/regulatory positions. The **Total Worker Health Track** is an addition to the NIOSH-funded Education and Research Center (ERC) Southwest Center for Occupational and Environmental Health (SWCOEH). Graduates will be able to conduct research that characterizes worker well-being, as well as implement policies and practices that improve worker health.

## Special Entrance Requirements

Applicants to the PhD program should have a prior MS or equivalent degree in Environmental Health Sciences or a related field from an accredited institution of higher education. In addition, applicants are expected to have successfully completed coursework in calculus, organic chemistry, physics, and biological sciences. For more information, see the Admissions section (<https://catalog.uth.edu/public-health/admissions/>).

## Course of Study

The following courses are required for a PhD in Environmental Science, Total Worker Health Track:

Code	Title	Hours
<b>Required for all School of Public Health Students</b>		
PH 101	Foundations of Public Health <sup>1</sup>	0
<b>Leveling Courses</b> <sup>1</sup>		
PHM 1110L	Health Promotion and Behavioral Sciences in Public Health	0
PH 1700L	Intermediate Biostatistics	
PHM 2110L	Public Health Ecology & the Human Environment	
PH 2175L	Toxicology I: Principles of Toxicology	
PHM 2612L	Epidemiology I	
<b>Major Courses</b>		
PHD 2105L	Environmental and Occupational Health Sciences Doctoral Seminar <sup>3</sup>	2
PHD 2106L	Introduction to Doctoral Research Methods in Environmental and Occupational Health Sciences	2
PH 2245	Fundamentals of Industrial Hygiene	4
<b>Total Worker Health Track Courses</b>		
PH 2205L	Health & Safety Program Management	3
PH 2241L	Fundamentals of Occupational Safety	3
PH 2256	Occupational Health Psychology	2
PH 2270L	Total Worker Health and Worker Well-being	2
PHD 2271	Total Worker Health Field Experience	3
PHD 2360L	Occupational Epidemiology	3
<b>Minor in Health Promotion and Behavioral Sciences</b>		
PHD 1113L	Advanced Methods for Planning and Implementing Health Promotion Programs (Intervention Mapping)	3

PHD 1120L	Program Evaluation	3
PHD 1118L	Qualitative Methods	3
or PHD 1123L	Community Health Promotion Theory and Practice	
<b>Worker-Centered Well-Being Breadth</b>		
Select 12 credits of the following:		12
PH 1236	Issues in Aging	
PH 1410L	Addiction and Society	
PH 2246L	Principles of Occupational Ergonomics	
PHD 2835	Injury Epidemiology	
PHD 2845L	Nutritional Epidemiology	
PHD 2362L	Environmental Epidemiology	
PHD 3810	Health Policy in The United States	
PHD 3910	Health Economics	
PH 3915	Methods for the Economic Evaluation of Health Programs	
PH 5220	Gender and Leadership	
PH 5400	Physical Activity Assessment & Surveillance	
or PH 5401L	Physical Activity & Public Health Practice	
or PH 2735L	Physical Activity and Health: Epidemiology and Mechanisms	
<b>Dissertation</b>		
PHD 9999	Dissertation Research	3
<b>Total Hours</b>		<b>48</b>

<sup>1</sup> Online, not-for-credit course

<sup>2</sup> Academic credits from leveling courses do not count towards the total required number of credits for the degree program.

<sup>3</sup> Taken twice

For a sample course of study, see the PhD in Environmental Health, Total Worker Health Track degree planner ([https://web.sph.uth.edu/student-forms/Academic\\_Requirements/Degree%20Programs%20&%20Planners/Planner.PhD.EOHS\\_TWH.2024-2025.docx](https://web.sph.uth.edu/student-forms/Academic_Requirements/Degree%20Programs%20&%20Planners/Planner.PhD.EOHS_TWH.2024-2025.docx)).