

Food Security and Public Health Graduate Certificate Course Descriptions

- **EOHS 5300 Environmental Determinants of Health (3 SCH):** An introduction to the environmental (physical, chemical, biological) determinants that influence human health and means of controlling these determinants. This course will discuss municipal water supply and disposal, ambient and indoor air quality, solid and hazardous wastes, food protection, vector control, pesticides, occupational safety, toxicology, risk assessment/risk communication and genomics.
- **EOHS 5313 Topics in Global Food Security (3 SCH):** This course will expose the student to the issues in food security from the local to the global levels. Topics will cover a broad range of issues, including (but not limited to): food quality and access, climate change, food animal welfare, food safety, agroterrorism, nutrition (including starvation, under-nutrition, and obesity), agricultural practices, and policy/regulation of the food system. Students are expected to leave the course with a better understanding of the successes and failures of the food systems locally, nationally, and globally; a better appreciation for the future challenges associated with food security; and a willingness to apply their learning to solving real-world problems stemming from food security issues.
- **EOHS 5312 Food Quality and Safety (3 SCH):** This course will examine the quality and safety aspects of our food supply from the "Farm to the Table." It will provide students with information necessary to hygienic practices in food protection. It will thoroughly discuss the relationship of microorganism and sanitation, food contamination sources, personal hygiene and sanitary food handling, quality assurance, cleaning compounds, cleaning equipment, waste disposal, food processing and preparation, and pest control. Prerequisites: EOHS 5300 or concurrent enrollment in EOHS 5300 or obtain permission from the instructor.
- **EOHS 5318 Humans, Animals & the Disease They Share (3 SCH):** This course will expose the student to the role of animals in public health by focusing specifically on zoonotic diseases and their public health implications. Over 70% of emerging and infectious diseases today are considered zoonotic - able to pass from animals to humans and vice versa. As the global community becomes smaller and smaller, and the human-animal interface becomes more and more consistent, it is important to be aware of and understand the implications of such diseases. Some examples of diseases to be covered include vector-borne diseases such as malaria and Dengue fever, bacterial diseases such as salmonellosis and listeriosis, and viral diseases including Ebola, Marburg, and West Nile Virus. Additionally, students will be given the opportunity to put their public health practitioner hats on with 1-2 local field trips designed to give practical, real-life experiences to which they may apply their current knowledge of public health.
- **EPID 5300 Principles of Epidemiology (3 SCH):** The overall purpose of this course is to introduce public health students to epidemiology so that they understand how epidemiology contributes to (1) identifying factors that cause diseases, (2) assessing the public health importance of diseases, (3) describing the natural history of diseases, and (4) evaluating procedures for preventing diseases.

Mail application, application fee, resume or CV and request official transcripts to be sent to:
UNTHSC-School of Public Health
Office of Admission & Academic Services
3500 Camp Bowie Blvd.
Fort Worth, TX 76107

Approximate cost to complete the online Graduate Certificate in Public Health as a Texas Resident is \$5,022. The certificate programs do not qualify for Federal Financial Aid programs.

For more information contact the [Office of Admission & Academic Services](#)