

# UNTHSC College of Public Health

## PhD – Epidemiology Concentration

The Doctor of Philosophy in Public Health Sciences degree with a concentration in Epidemiology equips graduates with advanced knowledge and research skills needed to understand the complex patterns, causes, and effects of health and disease conditions in populations. Graduates will be adept at designing and conducting sophisticated epidemiological studies and utilizing advanced statistical and methodological techniques.

MS Epidemiology Courses	Credit Hours	Total Hours
Fall Semester		
BIOS 5300: Principles of Biostatistics	3	3
EPID 5300: Principles of Epidemiology	3	6
Elective – Requires advisor approval	3	9
Spring Semester		
BIOS 5310: Intermediate Biostatistics	3	12
EPID 5310: Intermediate Epidemiology	3	15
PHED 5330: Foundations of Public Health	3	18
Summer Semester		
PHED 5338: Discovery Based Paper: Literature Review and Proposal Development	2	20
Fall Semester		
BIOS 5316: Categorical Data Analysis	3	23
EPID 5313: Introduction to Data Management and Statistical Computing	3	26
PHED 5340: Discovery Based Paper: Data Analysis and Interpretation	3	29
Spring Semester		
EPID 5312: Survey Research & Questionnaire Design	3	32
EPID 5314: Applied Data Analysis in Epidemiology	3	35
PHED 5350: Discovery Based Paper: Manuscript Preparation	3	38
Summer Semester		
Submission of Discovery – Based Paper for Peer Review		38

\* MS courses must be completed before beginning PhD coursework

PhD Epidemiology Courses	Credit Hours	Total Hours
Fall Semester		
BIOS 6324: Survival Analysis	3	3
EPID 6310: Advanced Methods in Epidemiology I	3	6
EPID 6330: Measurement Theory and Instrument Design	3	9
Spring Semester		
EPID 6312: Advanced Methods in Epidemiology II	3	12
EPID 6332: Practical Applications of Epidemiology	3	15
PHED 6320: Grant Writing & Grantsmanship	3	18
Summer Semester		
Elective – Requires advisor approval	3	21
Elective – Requires advisor approval	3	24

Fall Semester		
PHED 6321: College Teaching in Academic Public Health	3	27
Elective – Requires advisor approval	3	30
Elective – Requires advisor approval	3	33
Spring Semester		
EPID 6000: PhD Comprehensive Examination	0	33
BIOS 6322: Longitudinal Data Analysis	3	36
Elective – Requires advisor approval	3	39
Summer Semester		
EPID 6395: Doctoral Dissertation	3	42
Fall Semester		
EPID 6395: Doctoral Dissertation	3	45
Spring Semester		
EPID 6395: Doctoral Dissertation	6	51

If you have any questions about the PhD Epidemiology coursework, please contact the **Office of Student and Academic Services** at either 817-735-0489 or [cph@unthsc.edu](mailto:cph@unthsc.edu).