

UNTHSC School of Public Health

MS in Public Health Sciences – Epidemiology Concentration

The **Master of Science (MS)** concentration in **Epidemiology** (36 credit hours) is designed to prepare students for the PhD degree. By the end of the program, students will have a foundational understanding of epidemiologic methods, causal theories and causal inference, applications of biostatistics, the design and conduct of epidemiologic studies, and the ability to communicate scientific information to lay and professional audiences. As the culminating experience of the program, students will write a discovery-based paper that meets current standards for publication in refereed journals. Graduates of the program will be prepared to apply to doctoral degree programs in epidemiology or to pursue research staff positions in health and medical centers, public health departments, governmental agencies, and the private sector.

Students in the MS degree program in Public Health Sciences are admitted in Fall Semesters as a cohort. Full-time enrollment is required and students are expected to graduate in five consecutive semesters. Students follow a weekly calendar of curricular and co-curricular activity that occupies 8-hour blocks of time, Monday through Friday.

MS – Epidemiology Concentration (cohort program completed in 5 consecutive semesters)

Courses	Credit Hours	Total Hours
Fall Semester		
BIOS 5300: Principles of Biostatistics	3	3
EPID 5300: Principles of Epidemiology	3	6
EPID 5313: Introduction to Data Management and Statistical Computing	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		
Proposal development for discovery based paper.	0	18
Fall Semester		
BIOS 5316: Categorical Data Analysis	3	21
EPID 5314: Applied Data Analysis in Epidemiology	3	24
PHED 5340: Scientific Writing 1	3	27
Spring Semester		
EPID 5312: Survey Research & Questionnaire Design	3	30
Elective – SPH course, requires advisor approval	3	33
PHED 5350: Scientific Writing 2	3	36

If you have any questions about the MS Epidemiology coursework, please contact the **Office of Academic Services** at either 817-735-0489 or sphacademics@unthsc.edu