

## UNTHSC School of Public Health Public Health Graduate Certificate in GIS

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The role of Geographic Information Science (GIS) mapping, research and spatial analysis is a valuable tool in public health today to better understand the geography of disease and its risk factors. The role of GIS is rapidly increasing in the development of public health policy for targeted prevention and intervention methods. Upon completion of the Public Health Graduate Certificate in GIS, students will be able to:

- **Understand** geographic information science principles in the context of public health.
- **Demonstrate** knowledge of methods of the geospatial analysis of public health information.
- **Apply** appropriate geospatial methods to public health research, practice and policy.
- **Use GIS software** and geodatabase design to access, manage and analyze spatial health data.

### 15 Credit Hours Required

Courses	SCH
BIOS 5300 Foundations of Biostatistics	3
EPID 5300 Principles of Epidemiology	3
EOHS 5362 GIS in Public Health	3
EOHS 5364 Geographic Distribution of Health and Disease	3
EOHS 6366 Geospatial Applications	3