

The Certificate program offers a curriculum in which students will acquire essential skills to addressing effectively maternal and child health population needs.

Learning objectives of the overall Graduate Certificate in MCH Epidemiology are listed below:

- ◆ **Develop** in-depth understanding of the behavioral, biological, social, and environmental factors that influence health and illness in maternal and child populations.
- ◆ **Conceptualize** a small scale MCH intervention project from the initial phase of project formulation to the final stage of assessing its impact and sustainability.
- ◆ **Develop** competency in the planning, management, and evaluation of public health programs and policies.
- ◆ **Develop** skills in key components of project grant applications submitted to foundations, state and federal funding agencies, with particular reference to needs assessment, the development of project goals and objectives, hypotheses, and implementation and evaluation strategies.
- ◆ **Develop** knowledge and skills related to the legislative, historical, and current bases of health and social service systems that support optimal development of women, infants, children, youth and their families.
- ◆ **Provide** students with theoretical, practical, and relevant educational experiences related to the major maternal and child health problems, including pregnancy outcomes, infant and child morbidity and mortality, maternal morbidity and mortality, abnormal child growth and development, and early-life factors in adult health problems.
- ◆ **Equip** students with skills in research methods, such as descriptive or analytic epidemiology, health services research, or program planning and evaluation.
- ◆ **Develop** competency in public health research, including designing questionnaires, interviewing, data collection and analysis, and statistical methods.
- ◆ **Provide** opportunity through a structured practicum for participants to apply research and management tools to the planning, development, and evaluation of public health programs and policies.