Overview

Certificate in Clinical and Translational Research

The Certificate in Clinical and Translational Research provides epidemiology or biostatistics students with an in-depth exploration of epidemiologic methods within the context of clinical research. Students will learn clinical research methods, clinical trials, and meta-analysis. The program will be useful both to those with a clinical background and to those without prior clinical training. Students will learn to refine their critical thinking skills and apply epidemiologic methods to clinical research.

This certificate is designed to prepare master’s level students (including MD/MPH students) for research readiness in conducting clinical and translational research. This certificate will also prepare students to be collaborators on clinical research projects and apply research skills in clinical practice. This certificate program is designed for advanced students currently in an MPH/MSPH/MPH&TM/MHA program. Students must have a background in epidemiology or biostatistics.

Competencies: Students who earn the Certificate in Clinical Translational Research will be able to:

• Critically assess medical literature;
• Describe issues related to clinical research design, including statistical power calculations; and
• Evaluate methodological issues in clinical research, clinical trials, and meta-analysis

Requirements

Certificate in Clinical and Translational Research

The Certificate in Clinical and Translational Research requires 14 credits:

• EPID 6420 Clinical Epidemiology (3)
• EPID 7170 Clinical Trials, Design, Conduct and Interpretation (3)
• EPID 7410 Pharmacoepidemiology (2)
• EPID 7310 Meta-analysis (3)
• EPID 6340 Clinical and Translational Research Methods (3)