

Clinical Research Design

College of Public Health

This program is designed for practicing health care professionals (MDs, DMDs, Pharm.D.s, Clinical Psychologists, etc.) and those pursuing a terminal PhD in fields like pharmacy, nursing, and psychology, who wish to enhance their translational research skills, and knowledge of population-based health and clinical trials. Clinicians with academic appointments at the University of Kentucky (UK) and physicians off-campus, including community-based physicians who wish to participate in clinical research, will be targeted for this program.

Program Requirements

Students will complete a minimum of 31 credit hours of study. The core curriculum consists of 13 hours comprising five courses, two each in epidemiology and biostatistics, and a one-credit-hour course that will serve as a broad introduction to public health. Students will also complete a minimum of 12 credit hours of electives. In addition, a three-credit-hour practicum in mentored research and three credit hours of thesis research are required.

Core Curriculum (15 hours)

CPH 605	Introduction to Epidemiology	(3)
STA 580	Biostatistics I	(3)
CPH 712	Advanced Epidemiology	(3)
CPH 630	Biostatistics II	(3)
CPH 663	Introduction to Public Health Practice	(3)

Electives (10 hours - selections to be approved by DGS)

CPH 665	Ethical Issues in Clinical Research	(3)
CPH 664	Biostatistics in Clinical Trials	(3)
CPH 612	Infectious Disease Epidemiology	(3)
CPH 616	Cardiovascular Epidemiology	(3)
CPH 618	Epidemiology of Aging	(3)
CPH 631	Design and Analysis of Health Surveys	(3)
CPH 632	Mixed Models in Public Health	(3)
CPH 636	Data Mining	(3)
CPH 647	Research Methods	(3)
CPH 711	Chronic Disease Epidemiology	(3)
CPH 718	Molecular Epidemiology	(3)
CPH 669	Methods and Technologies in Clinical Translational Research	(3)
CPH 670	Interdisciplinary Protocol Development	(2)
CPH 671	Seminar in Clinical /Translational Science	(1)

Mentored Research and Master's Thesis (Plan A)

CPH 779	Independent Studies in Public Health: Mentored Research	(3)
CPH 778	Special Topics in Public Health: Thesis Research	(3)

Total: 31 credit hours