

EPIDEMIOLOGY MINOR

Epidemiologists investigate the determinants of health and disease, and use data to identify changes in the public health burden of disease. The Epidemiology minor trains students to analyze public health trends, design and implement studies, and interpret results for policy and program development. There are minimum 8 required credits for Masters students. Doctoral students will select electives in consultation with advisor and Director of Graduate Studies to complete the 12 credit minimum. All required minor coursework must be taken A-F and achieve a grade of B- or above. Electives can be taken S-N or A-F. If taken A-F students must achieve a grade of B- or above. Graduate credits can be applied toward either the major or the minor/other requirement, but not both.

REQUIRED COURSES - MASTERS

6 CREDITS

PubH 6320 Foundations of Epidemiology (3 cr) **or**

PubH 6341 Epidemiologic Methods I (3 cr) **and**

PubH 6342 Epidemiologic Methods II (3 cr)

ELECTIVES - MASTERS

2 CREDITS

PubH 6381 Genetics in Public Health in the Age of Precision Medicine (2 cr)

PubH 6385 Epidemiology & Control of Infectious Diseases (2 cr)

PubH 6386 Cardiovascular Disease Epidemiology & Prevention (2 cr)

PubH 6387 Cancer Epidemiology (2 cr)

PubH 6389 Nutritional Epidemiology (2 cr)

PubH 6605 Reproductive & Perinatal Health (2 cr)

REQUIRED COURSES - DOCTORAL

10 CREDITS

OPTION 1: STUDENTS WITH EPI BACKGROUND

PubH 7401 Fundamentals of Biostatistical Inference (4 cr)

PubH 8341 Advanced Epi Methods: Concepts (3 cr)

PubH 8342 Advanced Epi Methods: Applications (3 cr)

REQUIRED COURSES - DOCTORAL

10 CREDITS

OPTION 2: STUDENTS WITH NON-EPI BACKGROUND

PubH 6341 Epidemiologic Methods I (3 cr)

PubH 6342 Epidemiologic Methods II (3 cr)

PubH 6450 Biostatistics I (4 cr)

ELECTIVES - DOCTORAL

SELECT MINIMUM 2 CREDITS

PubH 6365 Global Challenges in Infectious Disease

Epidemiology (2 cr)

PubH 6381 Genetics in Public Health in the Age of

Precision Medicine (2 cr)

PubH 6385 Epidemiology & Control of Infectious

Diseases (2 cr)

PubH 6386 Cardiovascular Disease Epidemiology &

Prevention (2 cr)

PubH 6387 Cancer Epidemiology (2 cr)

PubH 6389 Nutritional Epidemiology (2 cr)

PubH 7405 Biostatistics: Regression (4 cr)

PubH 7406 Advanced Regression & Design (4 cr)

PubH 7415 Introduction to Clinical Trials (3 cr)

PubH 7430 Statistical Methods for Correlated Data (3 cr)

PubH 7440 Introduction to Bayesian Analysis (3 cr)

PubH 7445 Statistics for Human Genetics & Molecular Biology (3 cr)

PubH 7450 Survival Analysis (3 cr)

PubH 7470 Study Designs in Biomedical Research (3 cr)

PubH 7475 Statistical Learning & Data Mining (3 cr)

PubH 7485 Methods for Causal Inference (3 cr)

PROGRAM COORDINATOR

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DIRECTOR OF GRADUATE STUDIES

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