Twin Cities Campus

Epidemiology M.S.

School of Public Health - Adm

School of Public Health

Link to a list of faculty for this program.

Contact Information:
School of Public Health, MMC 819, A395 Mayo Memorial Building, 420 Delaware Street, Minneapolis, MN 55455 (612-626-3500 OR 1-800-774-8636).
Email: sph-ask@umn.edu
Website: http://www.sph.umn.edu

- Program Type: Master's
- Requirements for this program are current for Fall 2022
- Length of program in credits: 38
- This program does not require summer semesters for timely completion.
- Degree: Master of Science

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Note: Students are not admitted directly into the MS Epidemiology program; it is available only by special arrangement. Students interested in a master's degree in epidemiology should apply for the master of public health (MPH) degree through the School of Public Health.

Program Delivery

This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission

The preferred undergraduate GPA for admittance to the program is 3.00.

Other requirements to be completed before admission:
Please visit www.sph.umn.edu for admission requirements.

Special Application Requirements:
Students are not admitted directly into the MS program.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 100
  - Paper Based - Total Score: 600
- IELTS
  - Total Score: 7
- MELAB
  - Final score: 80

Key to test abbreviations(TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

Plan B: Plan B requires 38 major credits and 0 credits outside the major.The final exam is oral. A capstone project is required.
Capstone Project: A master's project is required, which will be completed by taking two credits of PUBH 7394.

This program may be completed with a minor.

© 2005 by the Regents of the University of Minnesota
The University of Minnesota is an equal opportunity educator and employer.
Information current as of March 28, 2024

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

At least 1 semesters must be completed before filing a Degree Program Form.

These requirements apply only to students admitted by special arrangement with the program; students are not admitted directly into the Epidemiology MS program.
Courses must be taken A-F, unless offered only S/N. The minimum grade required for each A-F-graded course is B-.

Core Requirements (14-18 credits)

PUBH 6250 is only required for students who do not have an MPH or a bachelor's degree in Public Health.
PUBH 6250 - Foundations of Public Health (2.0 cr)
PUBH 6348 - Writing Research Grants (2.0 cr)
PUBH 7401 - Fundamentals of Biostatistical Inference (4.0 cr)
PUBH 8341 - Advanced Epidemiologic Methods: Concepts (3.0 cr)
PUBH 8342 - Advanced Epidemiologic Methods: Applications (3.0 cr)
PUBH 8345 - How To Be An Anti-Racist Epidemiologist (1.0 cr)

Teaching Skills

GRAD 8101 - Teaching in Higher Education (3.0 cr)
or GRAD 8200 - Teaching and Learning Topics in Higher Education (1.0 cr)

Methods, Statistics, and Content Areas (10 credits)

Take the following course:
PUBH 7420 - Clinical Trials: Design, Implementation, and Analysis (3.0 cr)

Methods/Statistics List

Select a minimum of 3 credits from the following:
PUBH 6915 - Nutrition Assessment (2.0 cr)
PUBH 7402 - Biostatistics Modeling and Methods (4.0 cr)
PUBH 7405 - Biostatistical Inference I (4.0 cr)
PUBH 7406 - Biostatistical Inference II (3.0 cr)
PUBH 7430 - Statistical Methods for Correlated Data (3.0 cr)
PUBH 7445 - Statistics for Human Genetics and Molecular Biology (3.0 cr)
PUBH 8141 - Doctoral Seminar in Observational Inference (2.0 cr)
PUBH 8343 - Synthesis and Application of Methods in Epidemiologic Research (3.0 cr)
PUBH 8344 - Advanced Epidemiologic Methods Workshop (1.0 cr)
PUBH 8804 - Advanced Quantitative Methods Seminar (3.0 cr)

Content Area Courses

Select a minimum of 4 credits from the following:
PUBH 6140 - Occupational and Environmental Epidemiology (2.0 cr)
PUBH 6333 - Principles of Human Behavior I (2.0 cr)
PUBH 6334 - Human Behavior II (2.0 cr)
PUBH 6381 - Genetics in Public Health in the Age of Precision Medicine (2.0 cr)
PUBH 6385 - Epidemiology and Control of Infectious Diseases (2.0 cr)
PUBH 6386 - Cardiovascular Disease Epidemiology and Prevention (2.0 cr)
PUBH 6387 - Cancer Epidemiology (2.0 cr)
PUBH 6389 - Nutritional Epidemiology (2.0 cr)

Electives (12 credits)

Select a minimum of 12 credits from the following:
PUBH 6074 - Mass Communication and Public Health (3.0 cr)
PUBH 6078 - Public Health Policy as a Prevention Strategy (2.0 cr)
PUBH 6094 - Interventions to Address Weight-Related Health and Eating Disorders (2.0 cr)
PUBH 6355 - Pathophysiology of Human Disease (4.0 cr)
PUBH 6370 - Social Epidemiology (2.0 cr)
PUBH 7391 - Independent Study: Epidemiology (1.0 - 4.0 cr)
PUBH 7392 - Readings in Epidemiology (1.0 - 4.0 cr)
PUBH 7405 - Biostatistical Inference I (4.0 cr)
PUBH 7406 - Biostatistical Inference II (3.0 cr)
PUBH 7430 - Statistical Methods for Correlated Data (3.0 cr)
PUBH 7445 - Statistics for Human Genetics and Molecular Biology (3.0 cr)
PUBH 7450 - Survival Analysis (3.0 cr)
PUBH 8343 - Synthesis and Application of Methods in Epidemiologic Research (3.0 cr)
PUBH 8344 - Advanced Epidemiologic Methods Workshop (1.0 cr)
VMED 5180 - Ecology of Infectious Disease (3.0 cr)
VMED 8090 - Epidemiology of Zoonoses and Diseases Common to Animals and Humans (3.0 cr)

© 2005 by the Regents of the University of Minnesota
The University of Minnesota is an equal opportunity educator and employer.

Capstone Project (2 credits)
Take 2 credits of PUBH 7394:
PUBH 7394 - Integrative Learning Experience: Epidemiology (1.0 - 6.0 cr)

© 2005 by the Regents of the University of Minnesota
The University of Minnesota is an equal opportunity educator and employer.
Information current as of March 28, 2024