



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.



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)



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Capstone Project (2 credits)

Take 2 credits of PUBH 7394:

[PUBH 7394](#) - Integrative Learning Experience: Epidemiology (1.0 - 6.0 cr)